SONY

4-236-994-**12**(2)

Micro Hi-Fi Component System

Operating Instructions

MD**LP**

CMT-M100MD

© 2002 Sony Corporation

Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To prevent fire, do not Cover the ventilation of the apparatus with news papers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.
To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

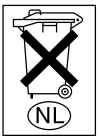
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

US and foreign patents licensed from Dolby Laboratories.

This appliance is classified as a CLASS 1 LASER product. This label is located on the rear exterior.

The following caution label is located inside the apparatus.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLING.
VORSICHT : UNSICHTBARE LASERSTRAHLUNG. WENN ABDECKUNG GEÖFFNET UND SICHERETSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.
VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING : OSYNLING LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.
ADVERSEL : USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VIGYAZAT! : A BURKOLAT NYITÁSAKOR LÁTHATATLAN LÉZERSUGÁRVESZÉLY! KERÜLJE A BESUGÁRZÁST!



Don't throw away the battery with general house waste, dispose of it correctly as chemical waste.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.

Table of Contents

Parts Identification

Main unit 4
Remote Control 5

Getting Started

Hooking up the system 6
Inserting two R6 (size AA) batteries into the remote 7
Setting the clock 8
Saving power in standby mode 8

CD

Loading a CD 9
Playing a CD — Normal Play/Shuffle Play/ Repeat Play 9
Programming CD tracks — Programme Play 11
Using the CD display 12
Labelling a CD — Disc Memo 13

MD – Play

Loading an MD 15
Playing an MD — Normal Play/Shuffle Play/ Repeat Play 15
Programming MD tracks — Programme Play 17
Playing only the tracks in the desired group 18
Using the MD display 19

MD – Recording

Before you start recording 19
Recording tracks in groups
— Group Function 20
Recording a CD on an MD 22
— CD-MD Synchro Recording/ High-Speed CD-MD Synchro Recording
Recording a tape on an MD
— TAPE-MD Synchro Recording ... 24
Recording on an MD manually
— Manual Recording 25
Starting recording with 6 seconds of prestored audio data
— Time Machine Recording 25
Recording tips 26
— Recording for long times/ Marking track numbers/Smart space/ Adjusting the recording level

MD – Editing

Before you start editing 30
Labelling an MD
— Name Function 30
Labelling a group
— Name Function 32
Registering recorded tracks into a new group
— Create Function 33
Releasing group registrations
— Release Function 34
Erasing recordings 35
— Erase Function/Track Erase Function/All Erase Function/ A-B Erase Function
Moving recorded tracks
— Move Function 37
Dividing recorded tracks
— Divide Function 38
Combining recorded tracks
— Combine Function 39
Undoing the last edit
— Undo Function 40
Changing the recorded level after recording
— S.F Edit Function 41

Tuner

Presetting radio stations 43
Listening to the radio
— Preset Tuning 44
Labelling the preset stations
— Station Name 45
Using the Radio Data System (RDS)* 45

Tape – Play

Loading a tape 46
Playing a tape 46

Tape – Recording

Recording a CD on a tape
— CD-TAPE Synchro Recording 46
Recording an MD on a tape
— MD-TAPE Synchro Recording ... 47
Recording on a tape manually
— Manual Recording 48

Sound Adjustment

Adjusting the sound 49

Timer

Falling asleep to music
— Sleep Timer 49
Waking up to music
— Daily Timer 50
Timer recording radio programmes 51

Optional Components

Hooking up the optional components 53

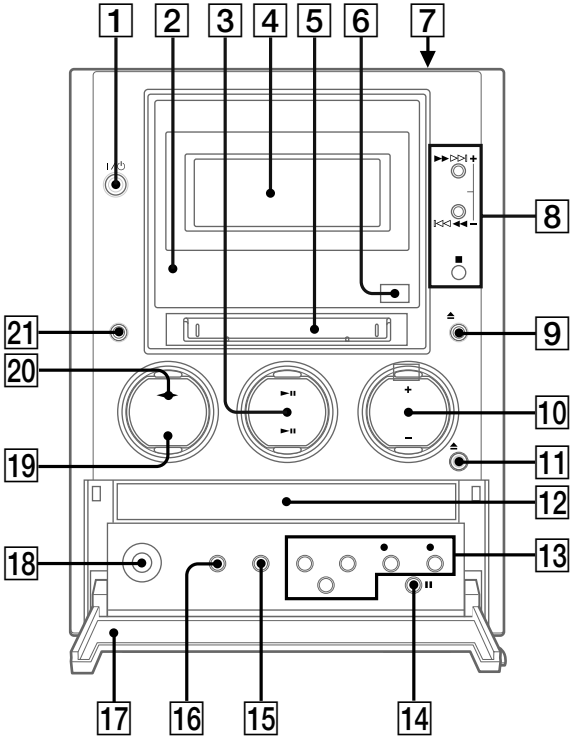
Additional Information

Precautions 54
System limitations of MDs 56
Troubleshooting 57
Self-diagnosis display 61
Specifications 63

* European model only

The items are arranged in alphabetical order.
Refer to the pages indicated in parentheses ( ) for details.

Main unit

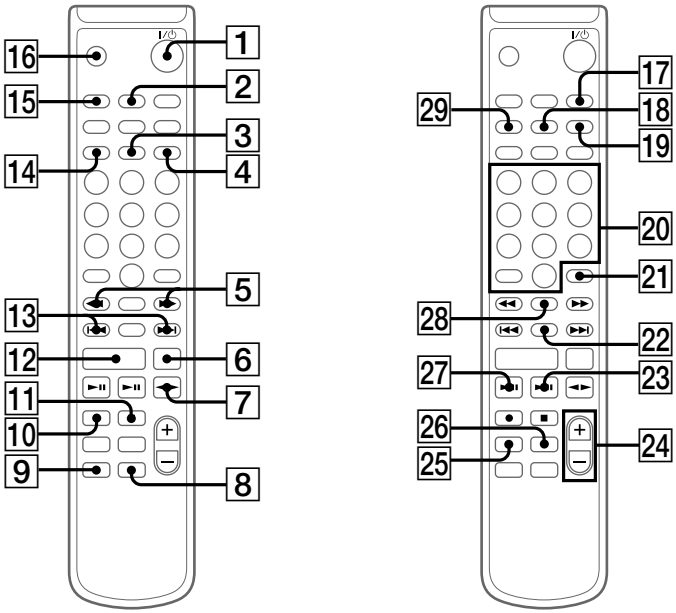


CD disc tray 12 (9)
CD ►II 3 (9, 11)
Cover 17
Display window 4
ENTER/START 13 (22, 24, 46, 47)
FM MODE 15 (44)
FUNCTION 21 (9, 11, 13, 15, 17, 18, 21, 25, 26, 31–39, 41, 46, 48, 53)
GROUP indicator 2 (18, 21, 22, 32–34)
MD insertion slot 5
MD ►II 3 (15, 17, 18, 21, 25)
PHONES jack 18
PLAY MODE/DIRECTION 16 (9, 11, 13, 15, 17, 24, 30, 46–48)
REC MODE 13 (26)
Remote sensor 6
REPEAT 15 (10, 16)
SYNCHRO MODE 13 (22, 24, 46, 47)
TAPE ◄► 20 (46–48)
TUNER BAND 19 (43, 44)
TUNING MODE 16 (43, 44)
TUNING +/– 8 (44)
VOLUME +/– 10

BUTTON DESCRIPTIONS

I/⏻ (power) 1 (8, 20, 30, 43, 44, 50, 52)
⏏ PUSH OPEN/CLOSE 7 (46)
◄◄/►► 8 (10, 16, 37, 39, 43, 44, 46)
⏮/⏭ 8 (10, 11, 13, 16–18, 26, 31, 33–38, 40, 41, 43)
■ 8 (10, 16, 21, 23–25, 29, 46–48)
⏏ MD 9 (15, 16, 20, 30)
⏏ CD 11 (9, 10)
● MD 13 (21, 25, 28, 40)
● TAPE 13 (48)
II TAPE 14 (46, 48)

Remote Control



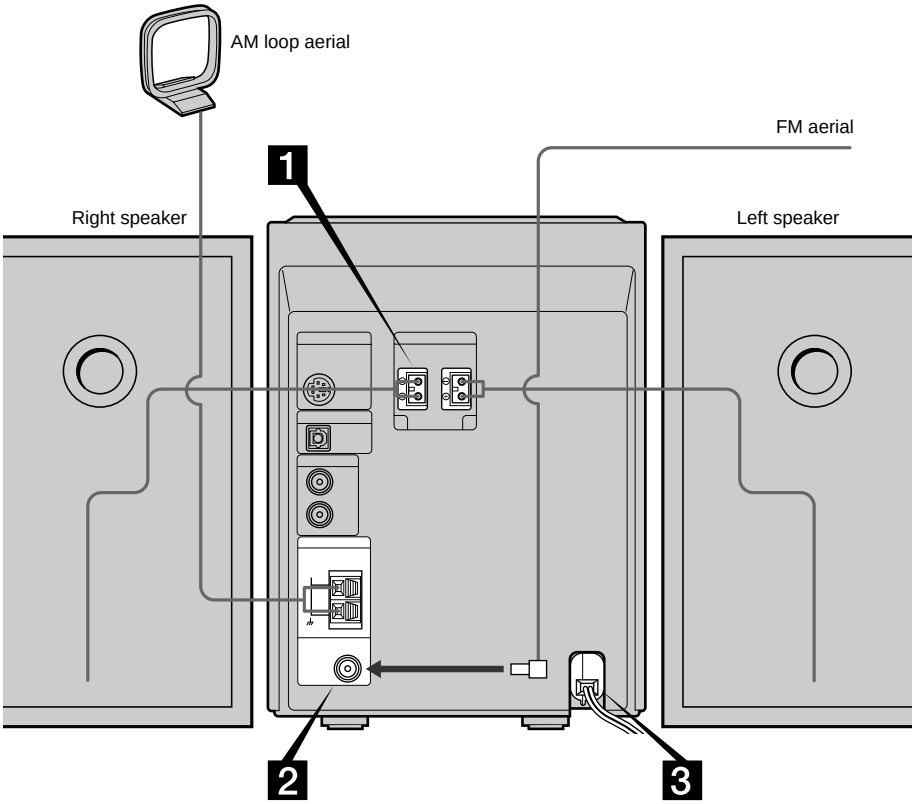
BASS/TRE 8 (49)
CD ►II 23 (9, 11)
CLEAR 21 (11, 13, 17, 31, 45)
CLOCK/TIMER SELECT 15 (50, 52)
CLOCK/TIMER SET 2 (8, 50, 51)
CURSOR ←/→ 5 (8, 13, 31)
DISPLAY 22 (8, 11, 12, 17, 19, 21, 45)
DSG 9 (49)
ENTER/YES 4 (8, 11, 14, 17, 25, 26, 30, 33–35, 37, 38, 40, 41, 43, 45, 50, 51)
FM MODE 17 (44)
FUNCTION 12 (9, 11, 13, 15, 17, 18, 21, 25, 26, 31–39, 41, 46, 48, 53)
GROUP 29 (18, 20, 22, 32–34)
GROUP SKIP 18 (18, 22, 32, 34)
MD ● 10 (21, 25, 28)
MD ►II 27 (15, 17, 18, 21, 25)
MENU/NO 14 (14, 26, 30, 32–35, 37–41, 43)
NAME EDIT/SELECT 3 (13, 30, 32, 45)
Number buttons 20 (10, 13, 16, 31, 44)
PLAY MODE 25 (9, 11, 13, 15, 17, 30)
REPEAT 26 (10, 16)
SCROLL 28 (14, 19, 32, 33)
SLEEP 16 (49)
TAPE ◄► 7 (46–48)
TUNER BAND 6 (43, 44)
TUNING MODE 19 (43, 44)
VOL +/– 24

BUTTON DESCRIPTIONS

I/⏻ (power) 1 (8, 20, 30, 43, 44, 50, 52)
◄◄/►► 5 (10, 16, 37, 39, 43, 44, 46)
■ 11 (10, 16, 21, 23–25, 29, 46–48)
I◄◄ /►►I 13 (8, 10, 11, 13, 16–18, 26, 31, 33–38, 40, 41, 43, 49–51)
–/+ 13 (44)

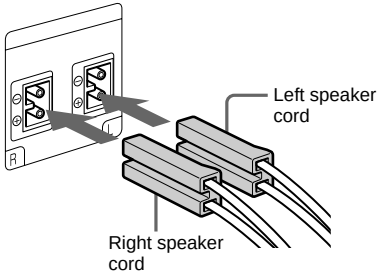
Hooking up the system

Perform the following procedure 1 to 3 to hook up your system using the supplied cords and accessories.



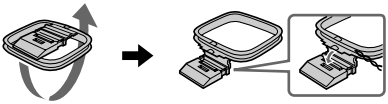
1 Connect the speakers.

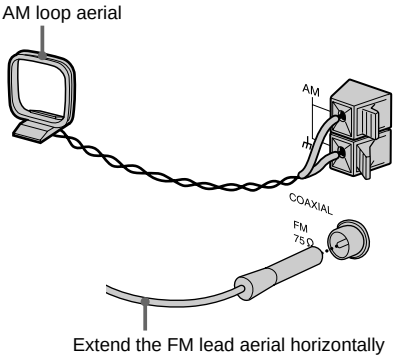
Connect the speaker cords to the SPEAKER terminals on the system as the following.



2 Connect the FM/AM aerials.

Set up the AM loop aerial, then connect it.



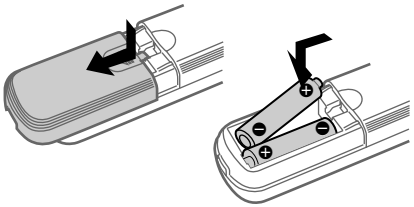


3 Connect the mains lead to the mains.

The demonstration appears in the display.

If the plug of the mains lead does not fit your mains, detach the supplied plug adaptor. To turn on the system, press I/⏻.

Inserting two R6 (size AA) batteries into the remote



Tip

When the remote no longer operates the system, replace both batteries with new ones.

Note

If you do not use the remote for a long period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Setting the clock

1 Press I/⏻ to turn on the system.

2 Press CLOCK/TIMER SET on the remote.

Proceed to step 5 when you set the clock for the first time.

3 Press I◄◄ or ►►I on the remote repeatedly until "CLOCK SET" appears.

4 Press ENTER/YES on the remote.

The hour indication flashes.

5 Press I◄◄ or ►►I on the remote to set the hour.

6 Press ENTER/YES or CURSOR→ on the remote.

The minute indication flashes.

7 Press I◄◄ or ►►I on the remote to set the minute.

8 Press ENTER/YES on the remote.

The clock starts working.

To adjust the clock

Start over from step 2.

Saving power in standby mode

Even if the system is off, the system consumes power to display the clock and to stay responsive to commands from the remote. The power saving mode is introduced to reduce the amount of power consumed during standby.

In this mode, the clock is not displayed.

To change to power saving mode, press DISPLAY on the remote repeatedly while the system is off until the demonstration and the clock display disappear.

To change the display

Press DISPLAY on the remote repeatedly while the system is off.

Each time you press the button, the display changes cyclically as follows:

Demonstration mode → Clock display* → Power saving mode

* The clock is displayed only when you have set the clock.

To cancel power saving mode

Press DISPLAY on the remote repeatedly while the system is off until the demonstration or the clock display appears.

Tip

The timer continues to operate during power saving mode.

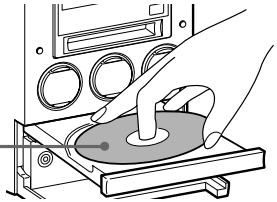
Loading a CD

1 Press ⏏ CD.

The disc tray opens.

2 Place a CD with the label side up on the disc tray.

When you play a CD single (8 cm CD), place it on the inner circle of the tray.



3 Press ⏏ CD again to close the disc tray.

Note

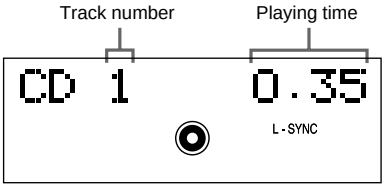
If you press ⏏ CD to open or close the disc tray while listening to another sound source, the CD icon lights up even if there is no CD in the tray.

To turn off the CD icon, press FUNCTION repeatedly to switch the function to CD.

Playing a CD

— Normal Play/Shuffle Play/Repeat Play

This system lets you play the CD in different play modes.



1 Press FUNCTION repeatedly to switch the function to CD.

2 Press PLAY MODE/DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until the mode you want appears.

Select	To play
No display (Normal Play)	The tracks on the CD in original order.
SHUF (Shuffle Play)	All tracks on the CD in random order.
PGM (Programme Play)	The tracks on the CD in the order you want them to be played (see “Programming CD tracks” on page 11).

3 Press CD ►II.

continued

Other operations

To	Do this
Stop play	Press ■.
Pause	Press CD ►II. Press again to resume play.
Select a track	Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until you find the desired track.
Find a point in a track	Keep pressing ◄◄ or ►► during play and release it at the desired point.
Play repeatedly (Repeat Play)	Press REPEAT repeatedly during play until "REP" or "REP1" appears. REP: For all the tracks on the CD up to five times. REP1: For a single track only. To cancel playing repeatedly, press REPEAT repeatedly until both "REP" and "REP1" disappear.
Remove the CD	Press ⏏ CD.

Tip

You can start playing from the desired track in Normal Play or Programme Play.
Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until the desired track number appears after step 2.
Or, press number buttons on the remote. Play automatically starts.

To enter track number 10 or higher on the remote

1 Press >10.

2 Enter the corresponding number buttons.
To enter 0, press 10/0.

Example:

To enter track number 30, press >10, then 3 and 10/0.

Programming CD tracks

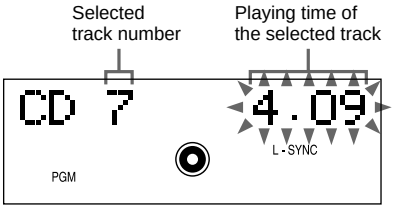
— Programme Play

You can make a programme of up to 25 tracks.

1 Press FUNCTION repeatedly to switch the function to CD.

2 Press PLAY MODE/DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until "PGM" appears.

3 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until the desired track number appears.

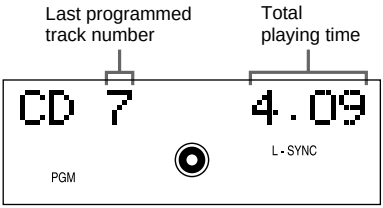


4 Press ENTER/YES on the remote.

The track is programmed.

"Step" appears, followed by the number of the track in the programmed sequence. The last programmed track number appears, followed by the total playing time of the programme.

If you made a mistake, you can clear the last programmed track from the programme by pressing CLEAR on the remote.



5 To programme additional tracks, repeat steps 3 and 4.

6 Press CD ►II.

Other operations

To	Do this
Check the programme order	Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly during Programme Play.
Check the total number of programmed tracks	Press DISPLAY on the remote in stop mode. The total number of programmed steps appears, followed by the last programmed track number and the total playing time of the programme.
Cancel Programme Play	Press PLAY MODE/DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until both "PGM" and "SHUF" disappear.
Add a track to the end of the programme in stop mode	Perform steps 3 and 4.
Erase a track	Press CLEAR on the remote in stop mode. Each time you press the button, the last programmed track is erased.
Select the desired track using the number buttons on the remote	Press number buttons instead of performing step 3 through 5. To use number buttons, see page 10.

continued

Tips

- The programme you made remains after Programme Play finishes. To play the same programme again, press CD ►II. However, the programme is cleared after you remove the CD.
- "--.--" appears when the total CD programme time exceeds 100 minutes, or when you select a CD track whose number is 21 or over.

Using the CD display

Press DISPLAY on the remote repeatedly.

When a CD TEXT disc is loaded, you can check the information recorded on the disc, such as the titles.

Each time you press the button, the display changes cyclically as follows:

During normal play

Current track number and elapsed playing time of the track → Current track number and remaining time of the track → Remaining time of the CD → Track title of the current track* → Clock → BASS level → TREBLE level

In stop mode

Total number of tracks and total playing time → CD disc title* → Clock → BASS level → TREBLE level

* If a CD that has no title is loaded, CD disc title is skipped. When the CD contains more than 20 tracks, CD TEXT is not displayed from track 21 on.

Labelling a CD

— *Disc Memo*

You can label up to 50 CDs with titles of up to 20 symbols and characters. Whenever you load a labelled CD, the title appears.

Notes

- You cannot label a CD for which "TEXT" appears in the display.
- **When labelling CDs for the first time, be sure to erase all disc titles stored in the system memory (see "Erasing a disc title" on the next page).**

1 Press FUNCTION repeatedly to switch the function to CD.

If "SHUF" or "PGM" appears, press PLAY MODE/DIRECTION (or PLAY MODE on the remote) repeatedly until both disappear.

2 Press NAME EDIT/SELECT on the remote in stop mode.

The cursor starts flashing.

3 Press NAME EDIT/SELECT on the remote to select the desired type of character.

Each time you press the button, the display changes cyclically as follows:

Selected AB* (Upper cases) →
Selected ab* (Lower cases) →
Selected 12 (Numbers)

* Press number 1 repeatedly to display the following symbols.
´ – / , . ( ) : ! ?
In addition, when the symbols above appear, press ⏮ or ⏭ (or ◀◀ or ▶▶ on the remote) repeatedly to display the following symbols.
& + < > _ = " ; # $ % @ ✳ `

4 Enter a character.

If you selected uppercase or lowercase letters

1 Press the corresponding letter button repeatedly until the character to be entered flashes.
Or, press the button once and press ⏮ or ⏭ (or ◀◀ or ▶▶ on the remote) repeatedly.

2 Press CURSOR→ on the remote.
The flashing character is entered and the cursor shifts to the right.

If you selected numbers

Press the corresponding number button.
The number is entered and the cursor shifts to the right.

To enter a blank space

1 Press NAME EDIT/SELECT on the remote to select uppercase or lowercase letters.

2 Press 10/0 on the remote.
A blank space is entered and the cursor shifts to the right.

5 Repeat steps 3 and 4 to enter the rest of the name.

To change a character

1 Press ←CURSOR or CURSOR→ on the remote repeatedly until the character to be changed flashes.

2 Press CLEAR on the remote to erase the character, then repeat steps 3 and 4.

continued

6 Press ENTER/YES on the remote to complete the labelling procedure.

To cancel labelling

Press MENU/NO on the remote.

Checking the disc titles

1 Press FUNCTION repeatedly to switch the function to CD.

2 Press MENU/NO on the remote in stop mode.

3 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Name Check?" appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly to select the disc titles stored in the system memory between 01 and 50.

To check the current disc title

Press SCROLL on the remote in stop mode.

Erasing a disc title

1 Press FUNCTION repeatedly to switch the function to CD.

2 Press MENU/NO on the remote in stop mode.

3 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Name Erase?" appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly to select the disc title you want to erase.

The disc title appears scrolling in the display.

"No Name" appears if no disc title is labelled.

5 Press ENTER/YES on the remote again.

"Complete!" appears.

To erase all disc titles, press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "All Erase?" appears in step 3, then press ENTER/YES on the remote twice.

To cancel erasing

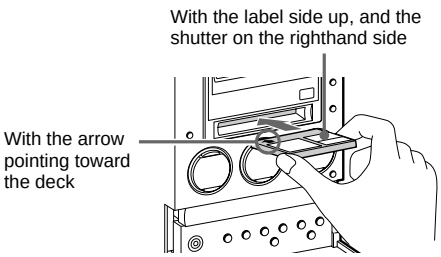
Press MENU/NO on the remote during step 2 through 4.

Note

The disc titles are saved in the system memory for about a day even if you disconnect the mains lead or a power failure occurs.

Loading an MD

Insert an MD.



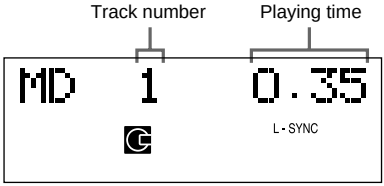
Before inserting an MD

When the system is on, make sure the MD icon does not appear. If it does, it means an MD is already loaded. Press ⏏ MD to remove the MD.

Playing an MD

— *Normal Play/Shuffle Play/Repeat Play*

This system lets you play the MD in different play modes.



1 Press FUNCTION repeatedly to switch the function to MD.

2 Press PLAY MODE/DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until the mode you want appears.

Select	To play
No display (Normal Play)	The tracks on the MD in original order.
SHUF (Shuffle Play)	All tracks on the MD in random order.
PGM (Programme Play)	The tracks on the MD in the order you want them to be played (see “Programming MD tracks” on page 17).

3 Press MD ►II.

continued

Other operations

To	Do this
Stop play	Press ■.
Pause	Press MD ►II. Press again to resume play.
Select a track	Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until you find the desired track.
Find a point in a track	Keep pressing ◄◄ or ►► during play and release it at the desired point.
Play repeatedly (Repeat Play)	Press REPEAT repeatedly during play until "REP" or "REP1" appears. REP: For all the tracks on the MD up to five times. REP1: For a single track only. To cancel playing repeatedly, press REPEAT repeatedly until both "REP" and "REP1" disappear.
Remove the MD	Press ⏏ MD.

Tip

You can start playing from the desired track in Normal Play or Programme Play.
Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until the desired track number appears after step 2.
Or, press number buttons on the remote. Play automatically starts.

To enter track number 10 or higher on the remote

1 Press >10.

2 Enter the corresponding number buttons.
To enter 0, press 10/0.

Example:

To enter track number 30, press >10, then 3 and 10/0.

Programming MD tracks

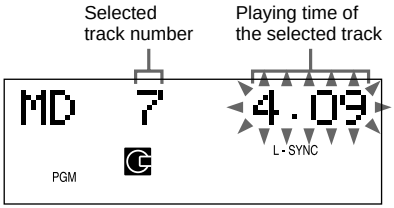
— Programme Play

You can make a programme of up to 25 tracks.

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press PLAY MODE/DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until "PGM" appears.

3 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until the desired track number appears.

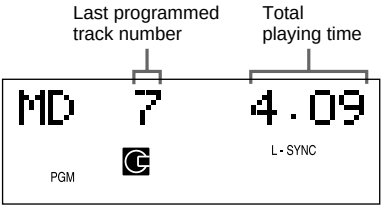


4 Press ENTER/YES on the remote.

The track is programmed.

"Step" appears, followed by the number of the track in the programmed sequence. The last programmed track number appears, followed by the total playing time of the programme.

If you made a mistake, you can clear the last programmed track from the programme by pressing CLEAR on the remote.



5 To programme additional tracks, repeat steps 3 and 4.

6 Press MD ►II.

Other operations

To	Do this
Check the programme order	Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly during Programme Play.
Check the total number of programmed tracks	Press DISPLAY on the remote in stop mode. The total number of programmed steps appears, followed by the last programmed track number and the total playing time of the programme.
Cancel Programme Play	Press PLAY MODE/DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until both "PGM" and "SHUF" disappear.
Add a track to the end of the programme in stop mode	Perform steps 3 and 4.
Erase a track	Press CLEAR on the remote in stop mode. Each time you press the button, the last programmed track is erased.
Select the desired track using the number buttons on the remote	Press number buttons instead of performing step 3 through 5. To use number buttons, see page 16.

continued

Tips

- The programme you made remains after Programme Play finishes. To play the same programme again, press MD ►II. However, the programme is cleared after you remove the MD or press GROUP.
- "---.--" appears when the total MD programme time exceeds 1,000 minutes.

Playing only the tracks in the desired group

This function allows you to listen only to your favourite tracks which you have registered into a group. For details of the Group Function, see page 20.

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press GROUP on the remote in stop mode repeatedly until the GROUP indicator lights up.

3 Press GROUP SKIP on the remote repeatedly until the desired group appears.

Proceed to step 5 when you start playing from the first track in the group.

4 To start playing from a specific track in the group, press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until the desired track appears.

5 Press MD ►II.

Play starts.

When the playing of the last track in the group finishes, the MD deck stops automatically.

Tip

You can perform the operations described under "Playing an MD" (page 15) and "Programming MD tracks" (page 17) only for the tracks in the group.

Note

If you select and play a group that does not have any tracks registered, play starts from the first track of the first group on the MD.

Using the MD display

Press DISPLAY on the remote repeatedly.

Each time you press the button, the display changes cyclically as follows:

During normal play

Current track number and elapsed playing time of the track → Current track number and remaining time of the track → Remaining time of the MD*1 → Track title of the current track*2 → Clock → BASS level → TREBLE level

In stop mode

Total number of tracks and total playing time*3 → Remaining recordable time (only for a recordable MD) → MD disc title*4 → Clock → BASS level → TREBLE level

*1 When the Group Function is on, the remaining time of all tracks in the group is displayed.

*2 Track title is skipped when no track title is labelled.

*3 When the Group Function is on, the total number of groups (when no group is selected) or the total number of tracks and playing time within the group (when a group is selected) are displayed. "---.--" appears when the total MD programme time exceeds 1,000 minutes.

*4 MD disc title is skipped when no disc title is labelled. When the Group Function is on, the group title is displayed.

Tips

- You can check a track title at any time during play. If you press SCROLL on the remote, a track title appears scrolling in the display.
  Press SCROLL on the remote at any point during the scroll display to stop the scrolling. Press SCROLL on the remote again to restart the scrolling.
- To label a disc or tracks, see "Labelling an MD" on page 30. To label a group, see "Labelling a group" on page 32.

Before you start recording

MDs (MiniDisc) let you digitally record and play music with high quality sound. Another feature of MDs is track marking. The track marking feature lets you quickly locate a specific point or easily edit the recorded tracks. However, depending on the source you record, the recording method and the way the track numbers are recorded differ.

When the source you record from is:

- **This system's CD player**

– The MD deck performs digital recording.*1

– Track numbers are automatically marked as on the original CD.

- **Other digital components connected to the DIGITAL OPTICAL IN jack**

– The MD deck performs digital recording.*1

– Track numbers are marked differently depending on the source you record.

- **This system's tuner and other analogue components connected to the ANALOG IN jacks**

– The MD deck performs analogue recording.*2

– A track number is marked at the beginning of a recording, but when you turn on the Level Synchro Recording Function (see "Marking track numbers" on page 27), track numbers are automatically marked in sync with the level of the input signal.

*1 For details on the limitations of digital recording, see "System limitations of MDs" on page 56.

*2 Even if you connect a digital component, the MD deck performs analogue recording.

When you use a partially recorded MD

Recording starts after the recorded tracks.

continued

Note on MD track numbers

On an MD, the track numbers (track sequence), track start and end point information, etc., are recorded in the TOC*[3] area independent of the sound information. You can edit recorded tracks quickly by modifying the TOC information.

*[3] TOC: Table Of Contents

After recording

Press ⏏ MD to remove the MD or press I/⏻ (power) to turn off the system.

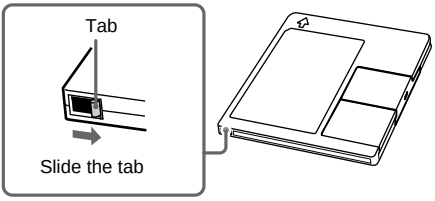
"TOC" or "STANDBY" starts flashing. The TOC is updated and recording is completed.

Before pulling out the mains lead

MD recording is completed when the MD Table of Contents (TOC) is updated. The TOC is updated when you eject the MD or press I/⏻ to turn off the system. Do not pull out the mains lead before updating the TOC or while updating the TOC (while "TOC" or "STANDBY" is flashing) to ensure a complete recording.

Protecting a recorded MD

To protect a recorded MD, slide the tab on the side of the MD to open the slot. In this position, the MD cannot be recorded. To record on the MD, slide the tab to close the slot.



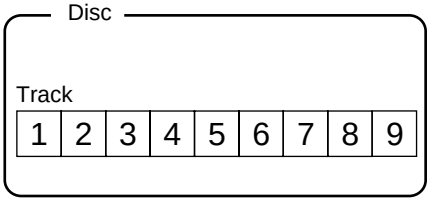
Recording tracks in groups

— Group Function

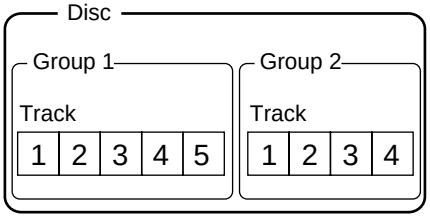
What is the Group Function?

The Group Function allows you to play, record and edit the tracks on an MD in groups. This is convenient for managing multiple CD albums recorded in MDLP mode onto a single MD. The Group Function is turned on and off by pressing GROUP.

Group Function: Off



Group Function: On



Operations using the Group Function

- Playing only the tracks in the desired group (page 18)
- Labelling a group (page 32)
- Registering recorded tracks into a new group (page 33)
- Releasing group registrations (page 34)

Note

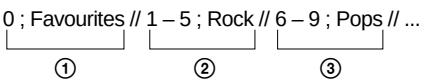
MDs recorded using the Group Function of this system can be used with other system that supports the Group Function. However, note that the Group Function operations of other system may differ from the operations for this system.

How is group information recorded?

When recording using the Group Function, the group management information is automatically recorded on the MD as the disc title.

Specifically, a character string such as the following is written in the disc title recording area.

Disc title recording area



① The disc title is “Favourites”.

② Tracks 1 to 5 are registered in the “Rock” group.

③ Tracks 6 to 9 are registered in the “Pops” group.

Therefore, when an MD recorded using the Group Function is loaded on a system that does not support the Group Function or on this system with the Group Function turned off, the above character string is displayed in its entirety as the disc title.

Note that if you rewrite this character string by mistake using the Name Function, you may be unable to use the Group Function of that MD.*

* The GROUP indicator flashes. To use the Group Function again, first perform the procedure for “Releasing the registrations of all tracks on an MD” on page 35 and release the registrations of all tracks on the MD.

Notes

- The Group Function setting is stored even if you eject the MD or turn off the system.
- When the Group Function is on, tracks which are not registered to a group are not displayed and cannot be played.
- You cannot change the group order.
- If you load a disc with group management information written in other than the proper format, the GROUP indicator flashes. In this case you cannot use the Group Function.

Recording into a new group

You can create new groups by CD album or artist, etc.

1 Load a recordable MD.

2 Press FUNCTION repeatedly to select the desired source to record.

3 Press GROUP on the remote repeatedly until the GROUP indicator lights up.

4 Press ● MD (or MD ● on the remote).

“New Group” flashes and the MD deck stands by for recording.

5 Press MD ►II, then start playing the desired source to record.

To continue and record into another new group, switch the function to MD after recording, press ■ repeatedly until the total number of groups appears, then perform step 2 through 5.

If “Group Full!” appears when you press ● MD (or MD ● on the remote) in step 4

You cannot start recording because there is insufficient character space for group management.

Delete unnecessary characters (disc title or track titles) until group recording is possible (see page 32).

Tip

You can check the remaining recordable time on the MD during recording by pressing DISPLAY on the remote.

Notes

- The new group is added after any existing groups with tracks registered into them.
- Up to 99 groups can be registered on a single MD.
- If “Group Full!” appears during recording, track numbers are not marked.

continued

Recording into an existing group

You can add tracks to an existing group.

1 Follow the same procedures as from step 1 to 3 of "Recording into a new group" on page 21.

2 Press ● MD (or MD ● on the remote).
"New Track" flashes and the MD deck stands by for recording.

3 Press GROUP SKIP on the remote repeatedly until the desired group appears.

4 Press MD ►II, then start playing the desired source to record.

If "Group Full!" appears when you press ● MD (or MD ● on the remote) in step 2

You cannot start recording because there is insufficient character space for group management.

Delete unnecessary characters (disc title or track titles) until group recording is possible (see page 32).

Notes

- The recorded track is added to the end of the group.
- When you newly record a track into an existing group, the track numbers following the newly recorded track may change when the Group Function is turned off.
- If "Group Full!" appears during recording, track numbers are not marked.

Recording a CD on an MD

— CD-MD Synchro Recording

1 Load a recordable MD.

2 Load a CD you want to record.
Proceed to step 4 to record not using the Group Function.

3 To record using the Group Function, press GROUP on the remote repeatedly until the GROUP indicator lights up.

4 Press SYNCHRO MODE repeatedly until "CD-MD SYNC" appears.

5 Press ENTER/START.
"Press START" flashes.
The MD deck stands by for recording and the CD player pauses for play.
Proceed to step 7 to record not using the Group Function.

6 To record using the Group Function, perform the following procedure depending on where you want to record:

To record into a new group

Proceed to step 7.

To record into an existing group

Press GROUP SKIP on the remote repeatedly until the desired group appears.

7 Press ENTER/START while "Press START" flashes.

Recording starts.

When the recording of all selected tracks is completed, the CD player and the MD deck stop automatically.

To stop recording

Press ■.

Tips

- You can record only your favourite CD tracks with Programme Play. After step 2, follow the same procedures as from step 1 to 5 of "Programming CD tracks" on page 11, then go to step 3.
- Depending on the disc, CD TEXT information may also be recorded (except when you record on an MD and a tape at the same time). If "TEXT" flashes during recording, see "Labelling an MD" on page 30.

Note

If the MD becomes full during recording, the CD player and the MD deck stop automatically.

Recording a CD on an MD and a tape at the same time

1 Load a recordable MD and tape.

2 Load a CD you want to record.

3 Press SYNCHRO MODE repeatedly until "DUAL SYNC" appears.

4 Follow the same procedures as from step 4 to 6 of "Recording a CD on a tape" on page 46.

Tip

Even if the MD or the tape ends part-way through the recording, the other continues recording.

Recording a CD on an MD with high speed

— High-Speed CD-MD Synchro Recording

You can make a digital recording of a CD on an MD at twice the speed of normal CD-MD Synchro Recording.

In step 4 of "Recording a CD on an MD", press SYNCHRO MODE repeatedly until "HISPEED SYNC" appears.

In step 5, "×2" appears.

You cannot monitor the recorded signal during high-speed recording.

If "Retry" flashes after you press ENTER/START in step 5

A reading failure has occurred, and the system is trying to read the data again.

- If the retry was successful, the system continues with High-Speed CD-MD Synchro Recording.
- If the condition of the loaded CD or the system is poor, and retry fails, High-Speed CD-MD Synchro Recording is disabled. In this case, "×1" flashes and the MD deck automatically starts recording in normal CD-MD Synchro Recording. Note that monitoring of the recorded signal is not possible when this occurs.

continued

Notes

- You cannot pause recording during High-Speed CD-MD Synchro Recording.
- If the play mode is set to the Repeat or Shuffle Play, it automatically switches to normal play at step 4 of "Recording a CD on an MD".
- The following items are either inoperative or cannot be used during High-Speed CD-MD Synchro Recording:
  — The Auto Cut Function
  — The recording level specified in the Setup menu

Recording a tape on an MD

— TAPE-MD Synchro Recording

You can make an analogue recording of a tape on an MD.

You can use TYPE I (normal) tape.

1 Load a recordable MD.

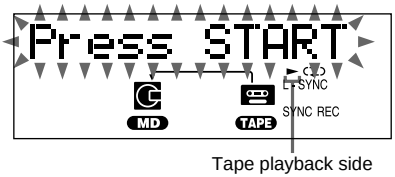
2 Load a tape you want to record.

3 Press SYNCHRO MODE repeatedly until "TAPE-MD SYNC" appears.

4 Press ENTER/START.

"Press START" flashes.

The MD deck stands by for recording and the tape deck pauses for play.



Tape playback side

► appears for the top side, and ◄ for the bottom side. To play the side not indicated, press ■ and remove the cassette to reverse the tape side, then perform steps 3 and 4 again.

5 Press PLAY MODE/DIRECTION repeatedly until ⇄ appears to play one side or ↻ (or ⟲) to play both sides.

6 Press ENTER/START while "Press START" flashes.

Recording starts.

When the recording is completed, the tape deck and the MD deck stop automatically.

To stop recording

Press ■.

Note

If the MD becomes full during recording, the tape deck and the MD deck stop automatically.

Recording on an MD manually

— *Manual Recording*

You can record just the portions you like from a CD, or start recording from the middle of the tape. You can also record a radio programme.

1 Load a recordable MD.

2 Press FUNCTION repeatedly to select the desired source to record.

3 Press ● MD (or MD ● on the remote).
The MD deck stands by for recording.

4 Press MD ►II, then start playing the desired source to record.

To stop recording

Press ■.

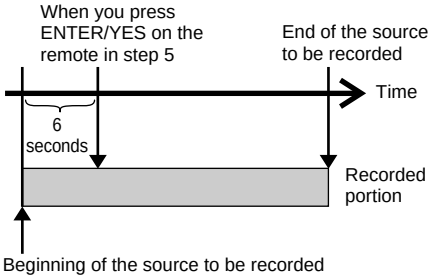
Tip

You can check the remaining recordable time on the MD during recording by pressing DISPLAY on the remote.

Starting recording with 6 seconds of prestored audio data

— *Time Machine Recording*

When recording from an FM or satellite broadcast, the first few seconds of material are often lost due to the time it takes you to ascertain the contents and press the record button. To prevent the loss of this material, the Time Machine Recording feature constantly stores the most recent audio data in a buffer memory. This lets you record the sound from 6 seconds before starting recording, as shown in the illustration below:


When you press ENTER/YES on the remote in step 5
End of the source to be recorded
Time
6 seconds
Recorded portion
Beginning of the source to be recorded

1 Load a recordable MD.

2 Press FUNCTION repeatedly to select the desired source to record.

3 Press ● MD (or MD ● on the remote).
The MD deck stands by for recording.

4 Start playing the desired source to record.

5 Press ENTER/YES on the remote at the desired point to start recording.

To stop Time Machine Recording

Press ■.

Note

The MD deck starts storing audio data when the deck stands by for recording in step 3 and you start playing the source. If less than 6 seconds have passed when you press ENTER/YES on the remote, Time Machine Recording starts with less than 6 seconds of audio data.

Recording tips

— Recording for long times/Marking track numbers/Smart space/ Adjusting the recording level

Recording for long times

This system has two long time recording modes: LP2 and LP4 (MDLP recording). When recording in LP2 Stereo mode, you can record 2 times the normal recordable time, and in LP4 Stereo mode, you can record 4 times the normal recordable time. In addition, the recordable time for monaural recording is approximately double the stereo recording time.

LP4 Stereo mode (4× long time recording mode) achieves a long stereo recording time by use of a special compression system. When placing emphasis on sound quality, Stereo recording or LP2 Stereo recording (2× long time recording mode) is recommended.

1 Before recording (CD-MD Synchro Recording, etc.), press REC MODE repeatedly to select the recording mode.

Each time you press the button, the display changes cyclically as follows:

STEREO REC (Stereo) → LP2 REC (LP2 Stereo) → LP4 REC (LP4 Stereo) → MONO REC (Monaural)

2 Press MENU/NO on the remote.

To continue and record, follow the procedures described on the various recording pages.

Tip

The selected recording mode is kept even after recording has finished, so be sure to check the recording mode before recording.

Notes

- MDs recorded in MDLP (LP2 or LP4) Stereo mode cannot be played back on a system that does not support MDLP mode.
- Even if you press REC MODE during recording or recording pause, you cannot change the recording mode.
- Even if you press REC MODE repeatedly to select MONO, the monitor signal during recording does not become monaural.
- You cannot use S.F Edit and some other MD edit functions for tracks recorded in MDLP mode.

To add “LP:” at the beginning of a track title during MDLP recording

“LP:” appears when you try to play the track on a system that does not support MDLP mode. This convenient function lets you know at a glance that the track cannot be played back. The factory setting is “On”.

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press MENU/NO on the remote.

3 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until “Setup?” appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until “LP Stamp On” or “LP Stamp Off” appears, then press ENTER/YES on the remote.

5 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly to select the setting, then press ENTER/YES on the remote.

To	Select
Add “LP:”	LP Stamp On (factory setting)
Cancel adding “LP:”	LP Stamp Off

6 Press MENU/NO on the remote.

Notes

- The recorded "LP:" is a stamp which appears to indicate that the track cannot be played back when you try to play the track on system that does not support MDLP mode. It does not appear for systems that support MDLP mode.
- When set to "On", "LP:" is recorded as the track title, so the number of characters that can be input to an MD is reduced. In addition, if you divide an "LP:" track using the Divide Function, "LP:" is also added to the latter track.

Marking track numbers

• Automatically during recording

Track numbers are automatically marked as on the original source during recording from this system's CD player or components connected to DIGITAL OPTICAL IN jack. Use the Level Synchro Recording Function to automatically mark track numbers during recording from this system's tuner or components connected to the ANALOG IN jacks.

• At any point during recording

You can mark track numbers during recording of any source.

• After recording

Use the Divide Function (see "Dividing recorded tracks" on page 38).

Marking track numbers automatically during recording *— Level-Synchro Recording*

The Level Synchro Recording Function is factory set to on, so the track numbers are automatically marked. If "L-SYNC" does not appear during recording, turn on the Level Synchro Recording as follows. Track numbers are automatically marked when the input signal is continuously below a certain level for more than two seconds and then exceeds that level.

Note

You cannot mark track numbers automatically if the sound source to be recorded is noisy (e.g., tapes or radio programmes).

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press MENU/NO on the remote.

3 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until "Setup?" appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until "T.Mark Off" or "T.Mark LSync" appears, then press ENTER/YES on the remote.

5 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly to select the setting, then press ENTER/YES on the remote.

To	Select
Turn on the Level Synchro Recording Function	T.Mark LSync (factory setting)
Turn off the Level Synchro Recording Function	T.Mark Off

When you set the Level Synchro Recording Function, "L-SYNC" lights up.

6 Press MENU/NO on the remote.

To continue and record, follow the procedures described on the various recording pages.

continued

To change the trigger level for Level Synchro Recording

Perform the following procedure to change the signal level that triggers Level Synchro Recording.

1 Press MENU/NO on the remote during recording pause to display “Setup?”, then press ENTER/YES on the remote.

2 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until “LS(T)” appears, then press ENTER/YES on the remote.

3 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly to select the level, then press ENTER/YES on the remote.

You can set the level at any value between –72 dB and 0 dB, in 2 dB steps. The factory setting is –50 dB.

4 Press MENU/NO on the remote.

Marking track numbers at a specific point during recording

— Track Mark

You can mark track numbers at any time during manual recording, regardless of the type of sound source.

Press ● MD (or MD ● on the remote) during manual recording at the point you want to add a track mark.

The tracks following the added one are renumbered.

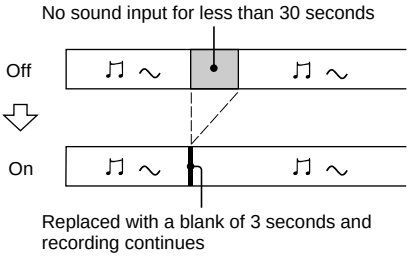
Note

The tracks might be recorded as the same single track with a single track number when the same single track of the same CD is recorded repeatedly.

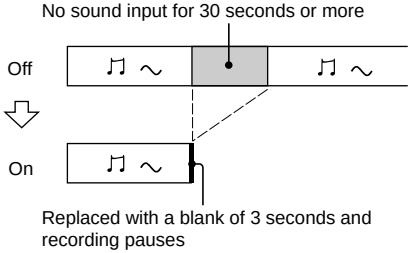
Making a space between tracks 3 seconds long

— Smart Space

Smart Space: Lets you make the blank spaces between tracks 3 seconds long automatically while making a digital recording from a CD. For other types of recording, if the Smart Space Function is on and there is no sound input for about 3 seconds or more (but less than 30 seconds) while recording, the MD deck replaces this silence with a blank of about 3 seconds and continues recording.



Auto Cut: When the Smart Space Function is on, if there is no sound input for 30 seconds or more, the MD deck replaces this silence with a blank of about 3 seconds and enters recording pause.



1 Press FUNCTION repeatedly to switch the function to MD.

2 Press MENU/NO on the remote.

3 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Setup?" appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "S.Space Off" or "S.Space On" appears, then press ENTER/YES on the remote.

5 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly to select the setting, then press ENTER/YES on the remote.

To	Select
Turn on the Smart Space Function	S.Space On (factory setting)
Turn off the Smart Space Function	S.Space Off

6 Press MENU/NO on the remote.

To continue and record, follow the procedures described on the various recording pages.

Tip

To restart the recording when "Auto Cut" appears, press MD ►II.

Adjusting the recording level

When recording on an MD, you can adjust the recording level to the desired volume. You can adjust the recording level not only when making an analogue recording, but also when making a digital recording from a CD, etc.

1 Start playing the desired source to record.

2 Press ● MD (or MD ● on the remote).

The MD deck stands by for recording.

3 Press MENU/NO on the remote to display "Setup?", then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Level Adjust?" appears, then press ENTER/YES on the remote.

5 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly to adjust the recording level.

Adjust to the optimum level while making sure that "OVER" does not appear in the display at the loudest portion.

6 Press ENTER/YES on the remote.

7 Press MENU/NO on the remote.

8 Press ■.

The MD deck stops.

To continue and record, follow the procedures described on the various recording pages.

Tips

- You can also adjust the recording level during recording.
- Once adjusted, the recording level is maintained until you adjust it again.
- You cannot adjust the recording level during CD-MD Synchro Recording.

Before you start editing

You can edit an MD only when:

- The MD is recordable.
- The MD play mode is normal play.

Check the following, before editing.

1 Check the tab of the MD to be edited.

Slide the tab to close the slot.

If the MD is protected, you cannot edit the MD.

2 Press PLAY MODE/DIRECTION (or PLAY MODE on the remote) in stop mode repeatedly until both "SHUF" and "PGM" disappear.

You can edit the MD only in normal play mode. You cannot edit the MD in Shuffle or Programme Play mode.

To cancel the last edit (page 40)

Use Undo Function to cancel the last edit and restore the contents of the MD to the condition before the edit.

To quit while editing

Press MENU/NO on the remote.

After editing

Press ⏏ MD to remove the MD or press I/⏻ (power) to turn off the system.

"TOC" or "STANDBY" starts flashing. The TOC is updated and editing is completed.

Before pulling out the mains lead

MD editing is completed when the MD Table of Contents (TOC) is updated. The TOC is updated when you eject the MD or press I/⏻ to turn off the system. Do not pull out the mains lead before updating the TOC or while updating the TOC (while "TOC" or "STANDBY" is flashing) to ensure a complete editing.

Labelling an MD

— Name Function

You can create titles for your recorded MDs and tracks as follows.

During recording

If "TEXT" lights up or flashes during recording, you can record the CD TEXT information onto the MD as follows:

- **Automatically during recording**
  When "TEXT" is lit, the CD TEXT information is automatically recorded.
- **Manually during recording**
  When "TEXT" flashes, press NAME EDIT/SELECT on the remote, then press ENTER/YES on the remote to record the title of the current track.

Notes

- Depending on the disc, the CD TEXT information may not be recorded automatically.
- The CD TEXT information is not recorded when recording a CD on an MD and a tape at the same time.

After recording

Use Name Function on this page. You can input a total of approximately 1,700 characters for the disc title, track titles and group titles on a single MD.

The following procedure is for entering titles when the Group Function is off.

To label a group, see "Labelling a group" on page 32.

However, when labelling an MD recorded using the Group Function, be sure to label the disc with the Group Function on so as not to rewrite the group management information by mistake.

For details on the group management information, see page 20.

1 **Press FUNCTION repeatedly to switch the function to MD.**

2 **Perform the following procedure depending on what you want to label:**

To label a track

Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until the desired track number appears, then press NAME EDIT/SELECT on the remote.

To label an MD

Press NAME EDIT/SELECT on the remote while the total number of tracks (or groups when the Group Function is on) is displayed.

The cursor starts flashing.

3 **Press NAME EDIT/SELECT on the remote to select the desired type of character.**

Each time you press the button, the display changes cyclically as follows:

Selected AB* (Upper cases) →
Selected ab* (Lower cases) →
Selected 12 (Numbers)

* Press number 1 repeatedly to display the following symbols.
´ – / , . ( ) : ! ?
In addition, when the symbols above appear, press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly to display the following symbols.
& + < > _ = “ ; # $ % @ ✳ `

4 **Enter a character.**

If you selected uppercase or lowercase letters

1 Press the corresponding letter button repeatedly until the character to be entered flashes.
Or, press the button once and press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly.

2 Press CURSOR→ on the remote.
The flashing character is entered and the cursor shifts to the right.

If you selected numbers

Press the corresponding number button.

The number is entered and the cursor shifts to the right.

To enter a blank space

1 Press NAME EDIT/SELECT on the remote to select uppercase or lowercase letters.

2 Press 10/0 on the remote.
A blank space is entered and the cursor shifts to the right.

5 **Repeat steps 3 and 4 to enter the rest of the name.**

To change a character

1 Press ←CURSOR or CURSOR→ on the remote repeatedly until the character to be changed flashes.

2 Press CLEAR on the remote to erase the character, then repeat steps 3 and 4.

6 **Press ENTER/YES on the remote to complete the labelling procedure.**

continued

Notes

- You can label a track title during play. The playback repeats until you finish labelling.
- If you enter the symbol "//" between the characters in disc titles such as "abc//def", you may be unable to use the Group Function.

Checking the titles

To check the disc titles, press SCROLL on the remote in stop mode. To check the track title, press SCROLL on the remote during play. The title appears scrolling in the display. To stop scrolling, press SCROLL on the remote. Press the button again to resume scrolling.

Erasing the titles

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press MENU/NO on the remote in stop mode.

3 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Nm Erase?" appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until the desired title appears, then press ENTER/YES on the remote.

"Complete!" appears.

Labelling a group

— Name Function

You can input a total of approximately 1,700 characters for the disc title, track titles and group titles on a single MD.

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press GROUP on the remote repeatedly until the GROUP indicator lights up.

3 Press GROUP SKIP on the remote repeatedly until the desired group appears.

4 Press NAME EDIT/SELECT on the remote while the total number of tracks within the desired group is displayed.

The cursor starts flashing.

5 Follow the same procedures as from step 3 to 6 of "Labelling an MD" on page 30.

Note

If you enter the symbol "//" between the characters in disc titles such as "abc//def", you may be unable to use the Group Function.

Checking the titles

1 Press GROUP on the remote in stop mode repeatedly until the GROUP indicator lights up.

2 Press GROUP SKIP on the remote repeatedly until the desired group appears, then press SCROLL on the remote.

The title appears scrolling in the display. To stop scrolling, press SCROLL on the remote. Press the button again to resume scrolling.

Erasing the titles

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press GROUP on the remote in stop mode repeatedly until the GROUP indicator lights up.

3 Press MENU/NO on the remote.

4 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until "Nm Erase?" appears, then press ENTER/YES on the remote.

5 Press GROUP SKIP on the remote repeatedly until the desired group number appears, then press ENTER/YES on the remote.

"Complete!" appears.

Note

You cannot erase the title of a group that does not have any tracks registered.

Registering recorded tracks into a new group

— Create Function

This function allows you to create a new group and register a track or consecutive tracks which are not yet registered into that group.

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press GROUP on the remote repeatedly until the GROUP indicator lights up.

3 Press MENU/NO on the remote to display "Edit Menu".

4 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until "Gp Create?" appears, then press ENTER/YES on the remote.

5 Follow the same procedures as from step 3 to 6 of "Labelling an MD" on page 30.

6 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until the first track number you want to register appears, then press ENTER/YES on the remote.

7 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until the last track number you want to register appears, then press ENTER/YES on the remote. (When registering only one track, simply press ENTER/YES on the remote again without performing any other operations.)

"Complete!" appears.

continued

Registering recorded tracks into a new group (continued)

Tips

- To create a group without registering any tracks, press ⏮◁◁ or ▷▷⏭ (or ⏮◀◀ or ▶▶⏭ on the remote) repeatedly until “None” appears, then press ENTER/YES on the remote in step 6. “Complete!” appears.
- You can also register tracks that were recorded on a system that does not support the Group Function.

Notes

- You cannot register the same track to multiple groups.
- If all the tracks on an MD are registered into groups, “Assign None” appears after step 5 and you cannot register tracks.
- When creating a group without registering any tracks, you must enter the group title.
- If you do not enter a group title in step 5, “Group ** (group number)” appears instead of the group title.

Releasing group registrations

— Release Function

These functions allow you to release group registrations simply by specifying the group for which you want to release the registrations. In addition, you can also release the group registrations of all tracks on an MD at once.

Releasing a single group

— Group Release Function

You can release the group registrations of all tracks within the specified group and erase that group. (However, note that the tracks are not erased.)

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press GROUP on the remote repeatedly until the GROUP indicator lights up.

3 Press GROUP SKIP on the remote repeatedly until the desired group appears.

4 Press MENU/NO on the remote to display “Edit Menu”.

5 Press ⏮◁◁ or ▷▷⏭ (or ⏮◀◀ or ▶▶⏭ on the remote) repeatedly until “Gp Release?” appears, then press ENTER/YES on the remote.

“REL Gp** (selected group number)??” appears.

6 Press ENTER/YES on the remote.

“Complete!” appears.

Releasing the registrations of all tracks on an MD

— All Release Function

You can release the group registrations of all tracks on an MD at once.

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press GROUP on the remote in stop mode repeatedly until the GROUP indicator lights up.

3 Press MENU/NO on the remote to display "Edit Menu".

4 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Gp All REL?" appears, then press ENTER/YES on the remote.

"All REL??" appears.

5 Press ENTER/YES on the remote.

"Complete!" appears.

Erasing recordings

— Erase Function

The MD deck lets you erase unwanted tracks quickly and easily.

The three options for erasing recordings are:

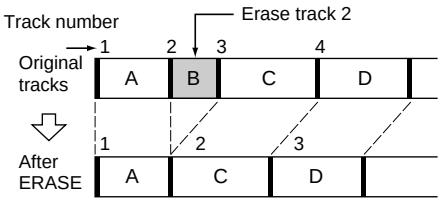
- Erasing a single track (Track Erase Function)
- Erasing all tracks (All Erase Function)
- Erasing a portion of a track (A-B Erase Function)

Erasing a single track

— Track Erase Function

You can erase a track simply by selecting its track number. When you erase a track, the total number of tracks on the MD decreases by one and all the tracks following the erased one are renumbered.

Example: Erasing track 2.



1 Press FUNCTION repeatedly to switch the function to MD.

2 Press MENU/NO on the remote to display "Edit Menu".

3 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Tr Erase?" appears, then press ENTER/YES on the remote.

continued

4 Press ⏮ or ⏭ (or ◀◀ or ▶▶I on the remote) repeatedly until the desired track number appears.

5 Press ENTER/YES on the remote.

"Complete!" appears.

Notes

- "Tr Protect" appears when the track was recorded or edited on another deck and then protected. You cannot erase tracks on this deck when "Tr Protect" appears.
- If you erase all the tracks within a group, the group is also erased at the same time as all the tracks within that group.

Erasing all tracks

— All Erase Function

You can erase the disc title, group titles, all recorded tracks and their titles at once.

1 Press FUNCTION repeatedly to switch the function to MD.

2 Press MENU/NO on the remote to display "Edit Menu".

3 Press ⏮ or ⏭ (or ◀◀ or ▶▶I on the remote) repeatedly until "All Erase?" appears, then press ENTER/YES on the remote.

"All Erase??" appears.

4 Press ENTER/YES on the remote.

"Complete!" appears.

Note

If you perform the above operations when the Group Function is on, not only the tracks within the group, but all the tracks on the MD will be erased.

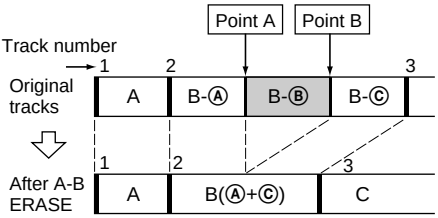
Erasing a portion of a track

— A-B Erase Function

You can specify a portion within a track and erase the portion with ease. You can shift the desired portion by frame*, minute or second intervals.

* 1 frame is 1/86 second.

Example: Erasing a portion of track 2.



1 Press FUNCTION repeatedly to switch the function to MD.

2 Press MENU/NO on the remote to display "Edit Menu".

3 Press ⏮ or ⏭ (or ◀◀ or ▶▶I on the remote) repeatedly until "A-B Erase?" appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or ◀◀ or ▶▶I on the remote) repeatedly until the desired track number appears, then press ENTER/YES on the remote.

"—Rehearsal—" and "Point A ok?" appear alternately while the deck plays the selected track from the beginning to point A.

5 While monitoring the sound, press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly to find the starting point of the portion to be erased (point A).

You can shift the starting point by 1/86 second (1 frame) intervals*.

To shift the point by second or minute intervals, press ◀◀ or ▶▶ so that second or minute flashes, then press ⏮ or ⏭ (or ⏮ or ⏭ on the remote).

* You can shift the starting point by 2-frame intervals (in Monaural mode and LP2 Stereo mode) or by 4-frame intervals (in LP4 Stereo mode).

6 Repeat step 5 until point A is played correctly.

7 Press ENTER/YES on the remote if point A is correct.

"Point B set" appears and playback for setting the ending point of the portion to be erased (point B) starts.

8 Continue playback until the deck reaches point B, then press ENTER/YES on the remote.

"A-B Ers" and "Point B ok?" appear alternately and the deck repeats a portion of the few seconds before point A and after point B successively.

9 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly to find point B.

The procedure is the same as step 5.

10 Press ENTER/YES on the remote if point B is correct.

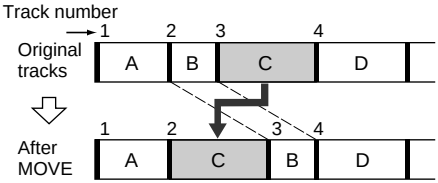
"Complete!" appears.

Moving recorded tracks

— *Move Function*

You can use this function to change the order of any track on the disc. When you move tracks, the tracks are automatically renumbered.

Example: Moving track 3 to position 2.



1 Press FUNCTION repeatedly to switch the function to MD.

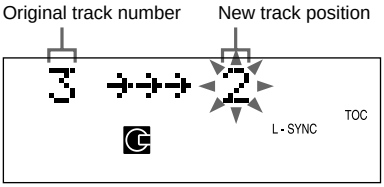
2 Press MENU/NO on the remote to display "Edit Menu".

3 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until "Move?" appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly until the desired track number to move appears, then press ENTER/YES on the remote.

continued

5 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until the new track position appears.



6 Press ENTER/YES on the remote.

"Complete!" appears.

Note

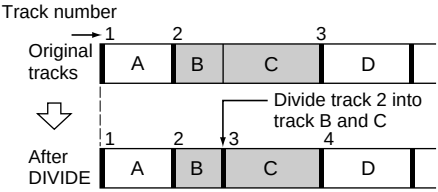
When you move a track to a track number that is registered into a group, the moved track is re-registered into the group containing the moved destination track number. In addition, if you move a track that is registered into a group to a track number that is not registered into a group, the group registration of the moved track is released. However, when the Group Function is on, you can only move tracks within the selected group.

Dividing recorded tracks

— Divide Function

You can use this function to mark track numbers after recording. The total number of tracks increases by one and all the tracks following the divided ones are renumbered.

Example: Dividing track 2 into two tracks.



1 Press FUNCTION repeatedly to switch the function to MD.

2 Press MENU/NO on the remote to display "Edit Menu".

3 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Divide?" appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until the desired track number to divide appears, then press ENTER/YES on the remote.

"—Rehearsal—" appears and the portion to be divided is played repeatedly.

5 While monitoring the sound, press ⏮ or ⏭ (or ⏮ or ⏭ on the remote) repeatedly to adjust the point to be divided.

You can shift the point by 1/86 second (1 frame) intervals*.

To shift the point by second or minute intervals, press ◀◀ or ▶▶ so that second or minute flashes, then press ⏮ or ⏭ (or ⏮ or ⏭ on the remote).

* You can shift the starting point by 2-frame intervals (in Monaural mode and LP2 Stereo mode) or by 4-frame intervals (in LP4 Stereo mode).

6 Press ENTER/YES on the remote if the point to be divided is correct.

"Complete!" appears.

Note

If you divide a labelled track (see "Labelling an MD" on page 30) into two tracks, only the first track retains the track title.

Example:

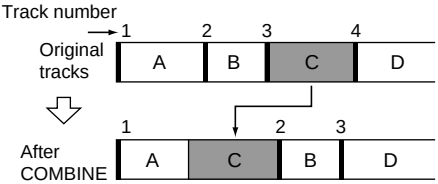
Combining recorded tracks

— Combine Function

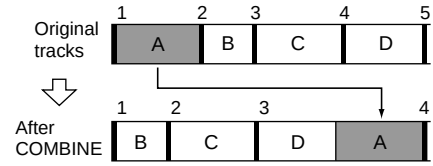
You can use this function to combine 2 tracks into a single track. The total number of tracks decreases by one and all tracks following the combined ones are renumbered.

You can also use this function to erase unnecessary track numbers.

Example: Combining track 3 to track 1.



Example: Combining track 1 to track 4.



1 Press FUNCTION repeatedly to switch the function to MD.

2 Press MENU/NO on the remote to display "Edit Menu".

continued

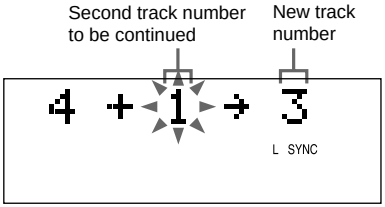
Combining recorded tracks (continued)

3 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Combine?" appears, then press ENTER/YES on the remote.

4 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until the first track number of the two to be combined appears, then press ENTER/YES on the remote.

For example, to combine track 1 to 4, select 4.

5 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until the second track number of the two to be combined appears.



6 Press ENTER/YES on the remote.

"Complete!" appears.

Notes

- When you combine two tracks that are registered into different groups, the second track is re-registered into the group containing the first track. In addition, if you combine a track that is registered to a group with a track that is not registered to a group, the second track takes the same registration setting as the first track. However, when the Group Function is on, you can only combine tracks within the selected group.
- Tracks recorded in different recording modes (stereo, LP2, LP4 or MONO) cannot be combined.
- If both of the combined tracks have track titles, the title of the second track is erased.

Undoing the last edit

— Undo Function

You can use this function to cancel the last edit and restore the contents of the MD to the condition before the edit.

Note, however, that you cannot undo an edit if you do any of the following after the edit:

- Do another edit.
- Press ● MD (or MD ● on the remote) or ENTER/START.
- Update the TOC by turning off the system or ejecting the MD.
- Disconnect the mains lead.

You cannot undo the S.F Edit Function even if you use the Undo Function.

1 Press MENU/NO on the remote in stop mode to display "Edit Menu".

2 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Undo?" appears.

"Undo?" does not appear when there is no editing function that can be cancelled.

3 Press ENTER/YES on the remote.

A message appears depending on the last edit.

4 Press ENTER/YES on the remote.

"Complete!" appears.

Changing the recorded level after recording

— S.F Edit Function

You can change the volume of recorded tracks using S.F (Scale Factor) Edit. The original track is recorded over at the new recording level. When changing the recording level, you can select Fade-in Recording to gradually increase the signal level at the start of recording, or Fade-out Recording to gradually decrease the signal level at the end of the recording.

Changing the overall recording level

1 **Press FUNCTION repeatedly to switch the function to MD.**

2 **Press MENU/NO on the remote to display "Edit Menu".**

3 **Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "S.F Edit?" appears, then press ENTER/YES on the remote.**

4 **Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Tr Level?" appears, then press ENTER/YES on the remote.**

5 **Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until the track number you want to change the recording level appears, then press ENTER/YES on the remote.**

"Level 0dB" appears.

6 **While monitoring the sound, press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly to change the recorded level.**

The recording level can be changed from –12 dB to +12 dB, in 2 dB steps. Change to the optimum level while making sure that "OVER" does not appear in the display at the loudest portion.

7 **Press ENTER/YES on the remote.**

"S.F Edit OK?" appears.

8 **Press ENTER/YES on the remote.**

The deck starts recording over the existing track. "S.F Edit: ** %" appears while the track is being recorded. An amount of time that is roughly equal to or longer than the playback time of the track is required when recording over the track. When the recording finishes, "Complete!" appears.

To cancel the operation

Press MENU/NO on the remote during step 3 through 7. After recording starts in step 8, you cannot interrupt the operation.

Fade-in and Fade-out Recording

1 **Press FUNCTION repeatedly to switch the function to MD.**

2 **Press MENU/NO on the remote to display "Edit Menu".**

3 **Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "S.F Edit?" appears, then press ENTER/YES on the remote.**

continued

Changing the recorded level after recording (continued)

4 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until "Fade In?" or "Fade Out?" appears, then press ENTER/YES on the remote.

5 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until the track number you want to change the recording level appears, then press ENTER/YES on the remote.

"Time 5.0s" appears.

6 While monitoring the sound, press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly to change the Fade-in or Fade-out recording time.

The system plays the portion that will be recorded over using Fade-in or Fade-out Recording. You can set the time at any value between 1.0 second and 15.0 seconds, in 0.1 second steps. You cannot set the time longer than the track.

7 Press ENTER/YES on the remote.

"S.F Edit OK?" appears.

8 Press ENTER/YES on the remote.

The deck starts recording over the existing track. "S.F Edit: ** %" appears while the track is being recorded. When the recording finishes, "Complete!" appears.

To cancel the operation

Press MENU/NO on the remote during step 3 through 7. After recording starts in step 8, you cannot interrupt the operation.

Notes

- Do not disconnect the mains lead or move the system while recording is in progress. This may damage the recording data preventing recording from being performed properly.
- Do not use an MD that is damaged or dirty. This may prevent recording data from being recorded properly.
- Repeatedly changing the recording level results in poor sound quality.
- The recording level will not return to the exact original level once the recording level has been changed even if it returned to the original level.
- The recording level cannot be changed while the timer is activated.
- You cannot undo the S.F Edit Function even if you use the Undo Function.

Presetting radio stations

You can preset 20 stations for FM and 10 stations for AM.

1 Press I/⏻ to turn on the system.

2 Press TUNER BAND repeatedly to select “FM” or “AM”.

3 Press TUNING MODE repeatedly until “AUTO” appears.

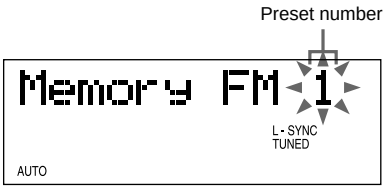
4 Press ◀◀ or ▶▶.

The frequency indication changes and the scanning stops when the system tunes in a station. “TUNED” and “STEREO” (for a stereo programme) appear.

5 Press MENU/NO on the remote.

6 Press ⏮ or ⏭ (or I◀◀ or ▶▶I on the remote) repeatedly until “Memory?” appears, then press ENTER/YES on the remote.

A preset number appears. The stations are stored from preset number 1.



7 Press ENTER/YES on the remote.

“Complete!” appears.

8 Repeat step 2 through 7 to store other stations.

To stop scanning

Press TUNING MODE.

To tune in a station with a weak signal

Press TUNING MODE repeatedly until both “AUTO” and “PRESET” disappear in step 3, then press ◀◀ or ▶▶ repeatedly to tune in the desired station.

To change the preset number

Start over from step 2.

To change the AM tuning interval (except for the European model)

The AM tuning interval is factory-set to 9 kHz (10 kHz in some areas). To change the AM tuning interval, tune in any AM station first, then turn off the system. While holding ⏭, turn the system back on. When you change the interval, all the AM preset stations are erased. To reset the interval, repeat the same procedure.

Note

You cannot change the AM tuning interval in the Power saving mode.

Tip

The preset stations are retained for about a day even if you disconnect the mains lead or if a power failure occurs.

Listening to the radio

— Preset Tuning

Preset radio stations in the system memory first (see “Presetting radio stations” on page 43).

1 Press TUNER BAND repeatedly to select “FM” or “AM”.

2 Press TUNING MODE repeatedly until “PRESET” appears.

3 Press TUNING + or – (or – or + on the remote) repeatedly to select the desired preset station (or station name* or RDS station name).**

* The station name appears only if you have labelled the station (see “Labelling the preset stations” on the next page).

** European model only.

To turn off the radio

Press I/⏻.

To enter preset number 10 or higher on the remote in step 3

1 Press >10.

2 Enter the corresponding number buttons.

To enter 0, press 10/0.

Example:

To enter track number 20, press >10, then 2 and 10/0.

To listen to non-preset radio stations

- Press TUNING MODE repeatedly until both “AUTO” and “PRESET” disappear in step 2, then press ◀◀ or ▶▶ repeatedly to tune in the desired station (**Manual Tuning**).
- Press TUNING MODE repeatedly until “AUTO” appears in step 2, then press ◀◀ or ▶▶. The frequency indication changes and the scanning stops when the system tunes in a station (**Automatic Tuning**).

To cancel Automatic Tuning

Press TUNING MODE.

Tips

- To improve broadcast reception, adjust the supplied aerials, or connect a commercially available external aerial.
- When an FM stereo programme has static noise, press FM MODE repeatedly until “MONO” appears. There will be no stereo effect, but the reception will improve.

Labelling the preset stations

— Station Name

You can label each preset station with up to 12 characters (Station Name).

1 Tune the station you want to label (see "Listening to the radio" on page 44).

2 Follow the same procedures as from step 2 to 6 of "Labelling a CD" on page 13.

To check the preset number and frequency

The station name appears when you tuned the labelled station.

To check the preset number and frequency, press DISPLAY on the remote. The preset number and frequency appear, followed by the station name.

To erase the name

1 Tune the station.

2 Press NAME EDIT/SELECT on the remote.

3 Press CLEAR on the remote repeatedly to erase the name.

4 Press ENTER/YES on the remote.

Using the Radio Data System (RDS)

(European model only)

What is the Radio Data System?

Radio Data System (RDS)* is a broadcasting service that allows radio stations to send additional information along with the regular program signal.

Note

RDS may not work properly if the station you tuned in is not transmitting the RDS signal properly or if the signal is weak.

* Not all FM stations provide RDS service, nor do they provide the same types of services. If you are not familiar with the RDS system, check with your local radio stations for details on RDS services in your area.

Receiving RDS broadcasts

Simply select a station from the FM band.

When you tune in a station that provides RDS services, the station name appears in the display.

To check the RDS information

Each time you press DISPLAY on the remote, the display changes cyclically as follows:

Station name* → Frequency → Clock → BASS → TREBLE

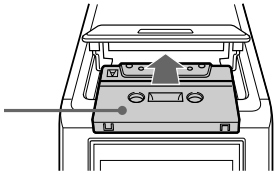
* If the RDS broadcast is not properly received, the station name may not appear.

Loading a tape

1 Press ⏏ PUSH OPEN/CLOSE.

2 Insert a tape.

With the side you want to play/ record facing up



Playing a tape

You can use TYPE I (normal) tape.

1 Press FUNCTION repeatedly to switch the function to TAPE.

2 Press PLAY MODE/DIRECTION repeatedly until ⇄ appears to play one side or ↻ (or ↻*) to play both sides.

3 Press TAPE ◄►.

Press TAPE ◄► again to play the bottom side.

* The tape deck stops automatically after repeating the sequence five times.

Other operations

To	Do this
Stop play	Press ■.
Pause	Press ❚❚ TAPE. Press again to resume play.
Fast-forward or rewind	Press ◄◄ or ►►.
Remove the tape	Press ⏏ PUSH OPEN/CLOSE.

Recording a CD on a tape

— CD-TAPE Synchro Recording

You can use TYPE I (normal) tape.

1 Load a recordable tape.

2 Load a CD you want to record.

3 Press SYNCHRO MODE repeatedly until "CD-TAPE SYNC" appears.

4 Press ENTER/START.

"Press START" flashes.
The tape deck stands by for recording and the CD player pauses for play.
Press TAPE ◄► again to record on the bottom side.

5 Press PLAY MODE/DIRECTION repeatedly until ⇄ appears to record on one side or ↻ (or ↻) to record on both sides.

6 Press ENTER/START while "Press START" flashes.

Recording starts.

When the recording is completed, the CD player and the tape deck stop automatically.

To stop recording

Press ■.

Tips

- When you record on both sides, be sure to start from the top side. If you start from the bottom side, recording stops at the end of the bottom side.
- If you select both sides recording and the tape reaches the end of the top side part-way through a track, the entire track is recorded again from the beginning of the bottom side.
- You can record only your favourite CD tracks with Programme Play. After step 2, follow the same procedures as from step 1 to 5 of "Programming CD tracks" on page 11, then go to step 3.

Note

If the tape becomes full during recording, the CD player and the tape deck stop automatically.

Recording a CD on an MD and a tape at the same time

1 Load a recordable MD and tape.

2 Load a CD you want to record.

3 Press SYNCHRO MODE repeatedly until "DUAL SYNC" appears.

4 Follow the same procedures as from step 4 to 6 of "Recording a CD on a tape" on page 46.

To stop recording

Press ■.

Tip

Even if the MD or the tape ends part-way through the recording, the other continues recording.

Recording an MD on a tape

— MD-TAPE Synchro Recording

You can use TYPE I (normal) tape.

1 Load a recordable tape.

2 Load an MD you want to record.

3 Press SYNCHRO MODE repeatedly until "MD-TAPE SYNC" appears.

4 Press ENTER/START.

"Press START" flashes.
The tape deck stands by for recording and the MD deck pauses for play.
Press TAPE ◄► again to record on the bottom side.

5 Press PLAY MODE/DIRECTION repeatedly until ⇄ appears to record on one side or ↻ (or ⟳) to record on both sides.

6 Press ENTER/START while "Press START" flashes.

Recording starts.
When the recording is completed, the tape deck and the MD deck stop automatically.

To stop recording

Press ■.

continued

Recording an MD on a tape (continued)

Tips

- When you record on both sides, be sure to start from the top side. If you start from the bottom side, recording stops at the end of the bottom side.
- If you select both sides recording and the tape reaches the end of the top side part-way through a track, the entire track is recorded again from the beginning of the bottom side.
- You can record only your favourite MD tracks with Programme Play. After step 2, follow the same procedures as from step 1 to 5 of "Programming MD tracks" on page 17, then go to step 3.

Note

If the tape becomes full during recording, the MD deck and the tape deck stop automatically.

Recording on a tape manually

— Manual Recording

You can record just the portions you like from a CD or an MD on a tape. You can also record a radio programme.

You can use TYPE I (normal) tape.

1 Load a recordable tape.

2 Press FUNCTION repeatedly to select the desired source to record.

3 Press ● TAPE.

The tape deck stands by for recording. Press TAPE ◄► again to record on the bottom side.

4 Press PLAY MODE/DIRECTION repeatedly until ⇄ appears to record on one side or ↻ (or ⟳) to record on both sides.

5 Press II TAPE, then start playing the desired source to record.

To stop recording

Press ■.

Tips

- When you record on both sides, be sure to start from the top side. If you start from the bottom side, recording stops at the end of the bottom side.
- If you select both sides recording and the tape reaches the end of the top side part-way through a track, the entire track is recorded again from the beginning of the bottom side.

Adjusting the sound

Generating a more dynamic sound (Dynamic Sound Generator)

Press DSG on the remote.

To cancel the DSG, press DSG on the remote again.

Adjusting the bass and treble

1 Press BASS/TRE on the remote repeatedly to select BASS or TREBLE.

2 While “BASS” or “TREBLE” appears, press ⏮ or ⏭ on the remote repeatedly to adjust the level.

You can adjust the bass or treble in 7 steps.

Falling asleep to music

— Sleep Timer

You can set the system to turn off after a certain time, so that you can fall asleep to music.

Press SLEEP on the remote.

Each time you press the button, the minute display (the turn-off time) changes cyclically as follows:

SLEEP OFF → AUTO* → 90min → 80min → … → 10min

* The system automatically turns off after the current CD, MD or tape finishes playing (up to 100 minutes).
When the function is TUNER, the system turns off in 100 minutes.

Other operations

To	Press
Check the remaining time	SLEEP on the remote once.
Change the time to turn off	SLEEP on the remote to select the time you want.
Cancel the Sleep Timer Function	SLEEP on the remote repeatedly until “SLEEP OFF” appears.

Note

Do not set to “AUTO” during Synchro Recording on an MD or a tape.

Waking up to music

— Daily Timer

You can wake up to music at a preset time. Make sure you have set the clock (see “Setting the clock” on page 8).

1 Prepare the sound source you want to play.

- CD: Load a CD. To start from a specific track, make a programme (see “Programming CD tracks” on page 11).
- MD: Load an MD. To start from a specific track, make a programme (see “Programming MD tracks” on page 17).
- Tape: Load a tape.
- Radio: Tune in the preset radio station (see “Listening to the radio” on page 44).

2 Press VOLUME + or – (or VOL + or – on the remote) to adjust the volume.

3 Press CLOCK/TIMER SET on the remote to display “DAILY SET”.

4 Press ENTER/YES on the remote.

“ON” appears and the hour indication flashes.

5 Set the time to start playing.

Press I◄◄ or ►►I on the remote repeatedly to set the hour, then press ENTER/YES on the remote.

The minute indication flashes.

Press I◄◄ or ►►I on the remote repeatedly to set the minute, then press ENTER/YES on the remote.

6 Set the time to stop playing following the same procedure as step 5.

7 Press I◄◄ or ►►I on the remote repeatedly until the desired sound source appears.

Each time you press the button, the indication changes cyclically as follows:

→ TUNER ↔ CD PLAY ←
→ TAPE PLAY ↔ MD PLAY ←

8 Press ENTER/YES on the remote.

The start time, the stop time, and the sound source appear in turn, before the original display returns.

9 Press I/⏻ to turn off the system.

Other operations

To	Do this
Check the settings/ activate the timer	**1** Press CLOCK/TIMER SELECT on the remote. **2** Press I◄◄ or ►►I on the remote repeatedly until “DAILY SELECT” appears, then press ENTER/YES on the remote.
Change the setting	Start over from step 1.
Cancel the timer	**1** Press CLOCK/TIMER SELECT on the remote. **2** Press I◄◄ or ►►I on the remote repeatedly until “TIMER OFF?” appears, then press ENTER/YES on the remote.

Notes

- You cannot activate the Daily Timer and recording timer at the same time.
- If you use the Daily Timer at the same time as the Sleep Timer, the Sleep Timer has priority.
- Do not operate the system from the time the system turns on until the play starts (about 30 seconds before the preset time).
- You cannot use the optional components connected to ANALOG IN jacks as the sound source for Daily Timer.

Timer recording radio programmes

To timer record, you must first preset the radio station (see “Presetting radio stations” on page 43) and set the clock (see “Setting the clock” on page 8).

1 Tune in the preset radio station (see “Listening to the radio” on page 44).

2 Press CLOCK/TIMER SET on the remote to display “DAILY SET”.

3 Press I◄◄ or ►►I on the remote repeatedly to select either “MD REC SET” or “TAPE REC SET”, then press ENTER/YES on the remote.

“ON” appears and the hour indication flashes.

4 Set the time to start recording.

Press I◄◄ or ►►I on the remote repeatedly to set the hour, then press ENTER/YES on the remote.

The minute indication flashes.

Press I◄◄ or ►►I on the remote repeatedly to set the minute, then press ENTER/YES on the remote.

5 Set the time to stop recording following the same procedure as step 4.

6 When you record on an MD, press I◄◄ or ►►I on the remote repeatedly to select the recording mode (e.g., LP2), then press ENTER/YES on the remote.

The timer recording settings appear, then the original display returns.

continued

Timer recording radio programmes (continued)

7 Load a recordable MD or tape.

If you use a partially recorded MD, recording starts after the recorded tracks.

If you use a tape, recording starts from the top side. Insert a tape with the side you want to record on facing up.

8 Press I/⏻ to turn off the system.

Other operations

To	Do this
Check the settings/ activate the timer	**1** Press CLOCK/TIMER SELECT on the remote. **2** Press ⏮ or ⏭ on the remote repeatedly until either "MD REC?" or "TAPE REC?" appears, then press ENTER/YES on the remote.
Change the setting	Start over from step 1.
Cancel the timer	**1** Press CLOCK/TIMER SELECT on the remote. **2** Press ⏮ or ⏭ on the remote repeatedly until "TIMER OFF?" appears, then press ENTER/YES on the remote.

Tip

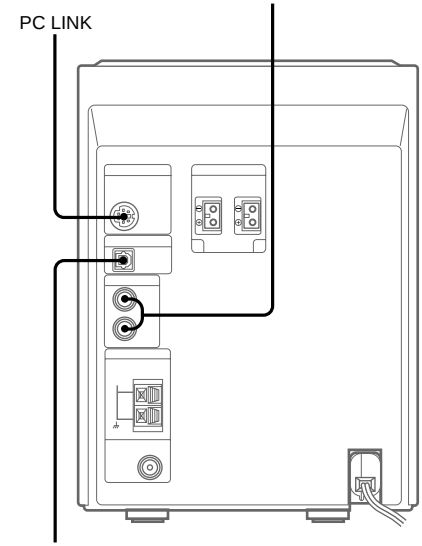
When you record from the radio, the station name (see "Labelling the preset stations" on page 45, or frequency when the station is not labelled), the start time and the stop time are automatically recorded on the MD.

Notes

- You cannot activate the Daily Timer and recording timer at the same time.
- If you use the Daily Timer at the same time as the Sleep Timer, the Sleep Timer has priority.
- Do not operate the system from the time the system turns on until the recording starts (about 30 seconds before the preset time).
- When you record on a brand new MD, the first 15 seconds are not recorded.
- If the system is on about 30 seconds before the preset time, the timer-recording will not be activated.
- The volume is reduced to minimum during recording.
- When you record on an MD, if timer recording is set with the Group Function on but no group is specified, the material is recorded into a new group.

Hooking up the optional components

You can connect a digital or an analogue component to this system. You can also connect a personal computer to the PC LINK connector and operate the system from the personal computer.



* If the jack is covered with a cap, remove it before use.

To	Do this
Listen to the connected digital component	Press FUNCTION repeatedly to switch the function to OPTICAL IN.
Listen to the connected analogue component	Press FUNCTION repeatedly to switch the function to ANALOG IN.
Operate the system from a personal computer	Connect the personal computer to the PC LINK connector using a Sony PC connection kit (option) that supports this system.

Precautions

On operating voltage

Before operating the system, check that the operating voltage of your system is identical with the voltage of your local power supply.

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the mains if it is not to be used for an extended period of time.
  To disconnect the mains lead, pull it out by the plug. Never pull the mains lead itself.
- Should any solid object or liquid fall into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- AC power cord (mains lead) must be changed only at the qualified service shop.
- When you connect the mains lead to the mains, even if the power is off, the system begins charging for remote and timer functions. Therefore the surface of this unit become warm, this is normal.
- To prevent fire, do not Cover the ventilation of the apparatus with news papers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

On placement

- Do not place the system in an inclined position.
- Do not place the system in locations where it is;
  — Extremely hot or cold
  — Dusty or dirty
  — Very humid
  — Subject to vibrations
  — Subject to direct sunlight.
- Use caution when placing the unit or speakers on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

On heat buildup

- Although the system heats up during operation, this is not a malfunction.
- Place the system in a location with adequate ventilation to prevent heat build-up in the system.

If you continuously use this system at a large volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.

To prevent a malfunction, do not cover the ventilation hole for the cooling fan.

On operation

- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player or the MD deck. Should this occur, the system will not operate properly. Remove the CD or MD and leave the system turned on for about an hour until the moisture evaporates.
- When you move the system, take out any discs.

If you have any questions or problems concerning your system, please consult your nearest Sony dealer.

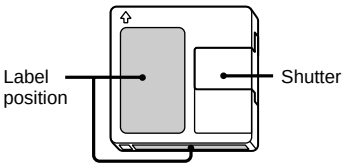
On the speaker system

This speaker system is not magnetically shielded and the picture on TV sets may become magnetically distorted. In such a case, turn off the power of the TV set once, and after 15 to 30 minutes turn it on again.

If there seems to be no improvement, locate the speaker system further away from the TV set. Also, be sure not to place objects in which magnets are attached or used near the speaker system, such as audio racks, TV stands, and toys. These may cause magnetic distortion to the picture due to their interaction with the system.

Notes on MDs

- Do not open the shutter to expose the MD. Close the shutter immediately if the shutter opens.
- Affix the label supplied with the disc only to the specified label indentation. Do not affix the label around the shutter or in other locations. Note that the shape of the indentation depends on the disc.



- Wipe the disc cartridge with a dry cloth to remove dirt.
- Do not expose the MD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.

- With the following kinds of CDs, you may experience a reading failure or noise when recorded on an MD:
  - — CDs with adhesive labels attached to them
  - — Irregularly shaped CDs (for example, heart- or star- shaped)
  - — CDs with printed text concentrated on one side only
  - — Old CDs
  - — Scratched CDs
  - — Dirty CDs
  - — Warped CDs
- If the following occurs during CD playback or recording, a reading error may occur or noise may be produced in the recorded results:
  - — The CD tray or other part of the system is bumped.
  - — The system is placed on an uneven or soft surface.
  - — The system is located near a speaker, door, or other source of vibration.
- If the above reading errors occur, an extra soundless track may be created. You can erase these extra tracks using Erase Function (see “Erasing recordings” on page 35).

Notes on CDs

- Before playing a CD, clean the CD surface with a cleaning cloth. Wipe the CD from the centre out.
- Do not play a CD with tape, stickers, or adhesives on any of its surfaces as this may damage the system.
- Do not use solvents.
- Do not expose the CDs to direct sunlight or heat sources.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this system. Attempting to do so may damage the system. Do not use such discs.

Note on CD-R/CD-RW playback

Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording condition or the drive’s characteristics. Besides, the discs, which are not yet finalized at the end of recording, cannot be played back.

Cleaning the cabinet

Clean the cabinet, panel and controls with a soft cloth slightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as thinner, benzene or alcohol.

Before placing a cassette in the tape deck

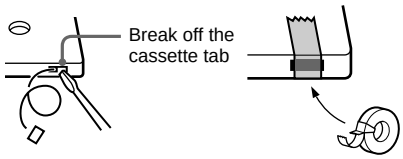
Take up any slack in the tape. Otherwise, the tape may get entangled in the parts of the tape deck and become damaged.

When using a tape longer than 90 minutes

The tape is very elastic. Do not change the tape operations such as play, stop, and fast-winding frequently. The tape may get entangled in the tape deck.

To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tab from side A or B as illustrated.



If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.

Cleaning the tape heads

Clean the tape heads after every 10 hours of use.

Be sure to clean the tape heads before you start an important recording or after playing an old tape.

Use a separately sold dry-type or wet-type cleaning cassette. For details, refer to the instructions of the cleaning cassette.

Demagnetising the tape heads

Demagnetise the tape heads and the metal parts that have contact with the tape after every 20 to 30 hours of use with a separately sold demagnetising cassette. For details, refer to the instructions of the demagnetising cassette.

System limitations of MDs

The recording system in your MD deck has the limitations described below.

Note, however, that these limitations are due to the inherent nature of the MD recording system itself, not to mechanical causes.

“Disc Full!” appears before the MD has reached the maximum recording time

When 255 tracks have been recorded on the MD, “Disc Full!” appears regardless of the total recorded time. More than 255 tracks cannot be recorded on the MD. To continue recording, erase unnecessary tracks or use another recordable MD.

“Disc Full!” appears before the maximum number of tracks (255) is reached

Fluctuations in emphasis within tracks are sometimes interpreted as track intervals, increasing the track count and causing “Disc Full!” to appear.

“Group Full!” appears in the display

- When the Group Function is on, “Group Full!” may be displayed if editing is performed. This means there are insufficient characters for group management. Delete any unnecessary disc titles, group titles or other characters.
- Even when the Group Function is off, the group management information is updated automatically when Move, Divide and other editing operations are performed, so “Group Full!” may be displayed.

The remaining recording time does not increase even after erasing numerous short tracks

Tracks shorter than 12 seconds* are not counted, so erasing them may not increase the recording time.

* During Stereo recording:
  In Monaural or LP2 Stereo mode: about 24 seconds
  In LP4 Stereo mode: about 48 seconds

Some tracks cannot be combined with others

Track combination may become impossible when repeated editing has been done to the track(s).

The total recorded time and the remaining time on the MD do not add up to the maximum recording time

Recording is done in minimum units of 2 seconds* each, no matter how short the material. The recorded contents may be shorter than the maximum recording capacity. Disc space may also be reduced by scratches.

* During Stereo recording:
  In Monaural or LP2 Stereo mode: about 4 seconds
  In LP4 Stereo mode: about 8 seconds

The sound may drop-out while searching the edited tracks

Tracks created through editing may exhibit sound dropout during searching because high-speed playback requires time to search for the position on the disc when the tracks are not in order.

Track numbers cannot be marked

When “L-SYNC” (page 27) lights up in the display window during analogue recording, the track numbers may not be marked at the beginning of the track:

- if you repeatedly record the same track on the same disc using 1-track repeat, etc.
- if you record tracks on different discs but which have the same track number in succession.
- if the input signal is below a certain fixed level for less than 2 seconds between tracks.
- if the input signal is below a certain fixed level for more than 2 seconds in the middle of the track.
- if you record a track that is 4 seconds or less*.

* During Stereo, Monaural or LP2 Stereo recording mode (In LP4 Stereo recording mode: 8 seconds or less).

Extra tracks are created

When there is a long silence between CD tracks, an extra track may be created.

Guide to the Serial Copy Management System

Digital audio components, such as CDs, MDs, and DATs let you copy music easily with high quality by processing music as a digital signal.

To protect the copyrighted music programmes, this system uses the Serial Copy Management System that allows you to make only a single copy of a digitally recorded source through digital-to-digital connections.

You can make only a first generation copy* through a digital-to-digital connection.

For example:

1 You can make a copy of a commercially available digital sound programme (for example, a CD or MD), but you cannot make a second copy from the first-generation copy.

2 You can make a copy of a digital signal from a digitally recorded analogue sound programme (for example, an analogue record or a music cassette tape) or from a digital satellite broadcast programme, but you cannot make a second copy.

* A first-generation copy means a digital recording of a digital signal made on digital audio equipment. For example, if you record from this system's CD player to the MD deck, you make a first-generation copy.

Troubleshooting

If you have any problem using this system, use the following checklist.

First, check that the mains lead is connected firmly and that the speakers are connected correctly and firmly.

Should any problem persist, consult your nearest Sony dealer.

General

There is no sound.

- Press VOLUME + or – (or VOL + or – on the remote).
- Make sure the headphones are not connected.
- Check the speaker connections (see page 7).
- High-Speed CD-MD Synchro Recording is underway.

Sound comes from one channel, or unbalanced left and right volume.

- Connect the speaker cords properly (see page 7).
- Place the speakers as symmetrically as possible.
- Connect the supplied speakers.

There is severe hum or noise.

- Move the system away from the source of noise.
- Connect the system to a different mains.
- Install a noise filter (commercially available) to the mains line.

"0:00" (for the European model) or "12:00 AM" (for other models) flashes in the display.

- Set the clock again (see page 8).

The timer cannot be set.

- Set the clock again (see page 8).

continued

The timer does not function.

- Press CLOCK/TIMER SELECT on the remote to set the timer and light up "◴DAILY" or "◴REC" in the display (see pages 50 and 52).
- Check the set contents and set the correct time (see pages 50 and 52).
- Cancel the Sleep Timer Function (see page 49).

The remote does not function.

- Remove the obstacle.
- Move the remote closer to the system.
- Point the remote at the system's sensor.
- Replace the batteries (R6/size AA).
- Locate the system away from the fluorescent light.

CD Player

The CD tray does not close.

- Place the CD correctly in the centre of the tray.
- Always close the tray by pressing ⏏ CD. Trying to press the tray closed with your fingers may cause problems with the CD player.

The CD does not eject.

- Consult your nearest Sony dealer.

Play does not start.

- Open the CD tray and check whether a CD is loaded.
- Wipe the CD clean (see page 55).
- Replace the CD.
- Place the CD correctly in the centre of the tray.
- Place the CD in the tray with the label side up.
- Remove the CD and wipe away the moisture on the CD, then leave the system turned on for a few hours until the moisture evaporates.
- Press CD ►II to start play.

The sound skips.

- Wipe the CD clean (see page 55).
- Replace the CD.
- Try moving the system to a place without vibration (e.g., on top of a stable stand).
- Try moving the speakers away from the system, or placing them on separate stands.
  When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.

Play does not start from the first track.

- Press PLAY MODE/DIRECTION (or PLAY MODE on the remote) repeatedly until both "PGM" and "SHUF" disappear to return to normal play.

"OVER" appears.

- You have reached the end of the CD. Press and hold ◄◄ or press I◄◄ to return to the desired playing position.

MD Deck

An MD cannot be inserted.

- Insert the MD with the label side up and the arrow pointing toward the deck.

The controls do not work.

- Replace the MD with a new one.
- Retry the operations after "TOC" or "STANDBY" turns off.

Play does not start.

- Replace the MD.
- Insert the MD and leave the system turned on for a few hours until the moisture evaporates.
- Press MD ►II to start play.
- Press GROUP on the remote to turn off the GROUP indicator.

The sound skips.

- Replace the MD.
- Try moving the system to a place without vibration (e.g., on top of a stable stand).
- Try moving the speakers away from the system, or placing them on separate stands.

  When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.
- Insert the disc and wait for 10 to 20 minutes with the system turned on.

Play does not start from the first track.

- Press PLAY MODE/DIRECTION (or PLAY MODE on the remote) repeatedly until both "PGM" and "SHUF" disappear to return to normal play.

"OVER" appears.

- You have reached the end of the MD. Press and hold ◀◀ or press I◀◀ to return to the desired playing position.

"OVER" lights up during recording.

- Adjust the recording level lower (see page 29).

Recording or editing was done, but the TOC is not updated.

- MD recording and editing contents are recorded to the MD when the MD is removed, so make sure you remove the MD after recording or editing (see pages 20 and 30).

Recording is not possible.

- Remove the MD and slide the tab to close the slot (see page 20).
- Connect the optional component properly (see page 53).
- Switch to another sound source.
- Replace the MD with a recordable MD, or use the Erase Function to erase unnecessary tracks (see page 35).

The sound from an MD you recorded is too low (or too high).

- Readjust the recording level (see page 41).

Tape Deck

The tape does not record.

- No cassette is loaded. Load a cassette.
- The tab has been removed from the cassette. Cover the broken tab with adhesive tape (see page 55).
- The tape has wound to the end.

The tape does not record or play, or there is a decrease in sound level.

- The heads are dirty. Clean them.
- The record/playback heads are magnetised. Demagnetise them (see page 55).

The tape does not erase completely.

- The record/playback heads are magnetised. Demagnetise them (see page 55).

There is excessive wow or flutter, or the sound drops out.

- The capstans in the tape deck are dirty. Clean them using a cleaning cassette (see page 55).

Noise increases or the high frequencies are erased.

- The record/playback heads are magnetised. Demagnetise them (see page 55).

Optional components

There is no sound.

- Refer to General item "There is no sound." on page 57 and check the condition of the system.
- Connect the component properly (see page 53) while checking:

  – if the cords are connected properly.

  – if the cord plugs are firmly inserted all the way.
- Turn on the connected component.
- Refer to the operating instructions included with the connected component and start playing.

The sound is distorted.

- Adjust the recording level lower (see page 29).

continued

Tuner

Severe hum or noise/stations cannot be received.

- Set the proper band and frequency (see page 43).
- Connect the aerial properly (see page 7).
- Find a place and an orientation that provide good reception, then set up the aerial again. If you cannot obtain good reception, we recommend you connect a commercially available external aerial.
- The supplied FM lead aerial receives signals along its entire length, so make sure you extend it fully.
- Locate the aerials as far away from the speaker cords as possible.
- Consult your nearest Sony dealer if the supplied AM aerial has come off the plastic stand.
- Try turning off surrounding electrical equipments.

A stereo FM programme cannot be received in stereo.

- Press FM MODE repeatedly until “STEREO” appears in the display.
- See “Severe hum or noise/stations cannot be received.”, and check the aerial condition.

Cyclical static noise is heard while recording on an MD.

- Adjust the aerial orientation and position until the noise stops.

If the system still does not operate properly after performing the above measures, reset the system as follows:

1 Disconnect the mains lead.

2 Reconnect the mains lead.

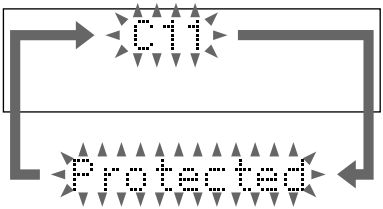
3 Press I/⏻ to turn on the system.

4 Press ■, ENTER/START and I/⏻ at the same time.

The system is reset to the factory settings. All the settings you made such as the preset stations, clock, timer and CD disc titles are cleared and must be set again.

Self-diagnosis display

This system has a Self-diagnosis display function to let you know if there is a system malfunction. The display shows a code made up of three letters and a message alternately to show you the problem. To solve the problem refer to the following list. If any problem persists, consult your nearest Sony dealer.



C11/Protected

The MD is protected against erasure.

➔Remove the MD and slide the tab to close the slot (see page 20).

C12/Cannot Copy

You tried to record a CD or MD with a format that the system does not support, such as a CD-ROM.

➔Remove the disc and turn off the system once, then turn it on again.

C13/REC Error

Recording could not be performed properly.

➔Move the system to a stable place, and start recording over from the beginning.

The MD is dirty or scratched, or the MD does not meet the standards.

➔Replace the MD and start recording over from the beginning.

C13/Read Error

The MD deck cannot read the disc information properly.

➔Remove the MD once, then insert it again.

C14/Toc Error

The MD deck cannot read the disc information properly.

➔Replace the MD.

➔Erase all the recorded contents of the MD using the All Erase Function (see page 36).

C41/Cannot Copy

The sound source is a copy of a commercially available music software.

➔The Serial Copy Management System prevents making a digital copy (see page 57).

Messages

One of the following messages may appear or flash in the display during operation.

MD

Assign None

All the tracks on an MD are registered into groups.

Auto Cut

The MD deck is pausing the recording because silence continued for 30 seconds or more during digital recording.

Blank Disc

The inserted recordable MD is new, or all tracks on the MD have been erased.

Cannot Edit

- A pre-mastered MD is in the deck.
- You tried to edit in Programme or Shuffle Play mode.

Cannot REC

- A pre-mastered MD is in the deck.
- The function is switched to MD.

Cannot SYNC!

- There is no disc in the MD deck, or the MD is protected against erasure.
- There is no time remaining on the MD.

continued

Self-diagnosis display (continued)

Complete!

The editing operation of MDs is completed.

Disc Full!

There is no time remaining on the MD.

Eject

The MD deck is ejecting the MD.

Group Full!

An attempt was made to create a new group in excess of the maximum number of groups, or there are insufficient characters for updating the group management information.

Impossible

- You tried to make an impossible editing operation.
- You cannot combine or erase the tracks due to the system limitations of MDs.
- You cannot specify the division point at the beginning or end of a track.

Incomplete!

Adjustment of the recording level after recording or Fade-in and Fade-out procedures have failed since the system was either subject to vibration or there is a damaged or dirty disc in the tray. Place the system in a stable place to minimize shock and vibration. Do not use damaged or dirty discs.

Initialize

The power was off for a long time, so the system is initializing itself.

Name Full

There is no more space to store track, disc or group titles.

No Change

While attempting to change the recording level after recording, you pressed ENTER/YES without actually changing the recording level, so no change was made.

No Disc

There is no disc in the MD deck.

OVER

You have reached the end of the MD while pressing ►► during playing pause.

Step Full!

You tried to programme 26 or more tracks (steps).

Push STOP!

You pressed PLAY MODE/DIRECTION (or PLAY MODE on the remote) during play.

—Rehearsal—

The MD is playing the specified dividing point for confirmation during the A-B Erase Function and the Divide Function.

S.F Edit!

You attempted to perform another operation while in S.F Edit (changing the recording level after recording, Fade-in, Fade-out) mode.

S.F Edit NOW

You pressed I/⏻ while in S.F Edit (changing the recording level after recording, Fade-in, Fade-out) mode.

Smart Space

The signal was input again after silence continued for 3 or more but less than 30 seconds during digital recording.

Text Protect

There is CD TEXT information which cannot be recorded on the MD.

TOC Reading

The MD deck is reading the TOC information of the MD.

TOC Writing

The MD deck is writing the information of recorded or edited contents.

Track End

You have reached the end of the track while adjusting the dividing point during the Divide Function.

Tr Protect

You attempted to erase a protected track.

CD

Cannot Edit

You tried to label a CD TEXT disc.

CD No Disc

There is no CD in the player.

Complete!

The editing operation of CD is completed.

Name Full

There are already 50 disc titles stored in the system.

OVER

You have reached the end of the CD while pressing ►► during play or pause.

Step Full!

You tried to programme 26 or more tracks (steps).

TAPE

Cannot SYNC!

There is no tape in the tape deck, or the tab has been removed from the cassette.

No Tab

You cannot record the tape because the tab has been removed from the cassette.

No Tape

There is no tape in the tape deck.

Specifications

Main Unit (HCD-M10)

Amplifier section

European model:
DIN power output (Rated): 10 + 10 watts (6 ohms at 1 kHz, DIN)
Continuous RMS power output (Reference): 15 + 15 watts (6 ohms at 1 kHz, 10% THD)
Music power output (Reference): 25 + 25 watts
Other models:
DIN power output (Rated): 10 + 10 watts (6 ohms at 1 kHz, DIN)
Continuous RMS power output (Reference): 15 + 15 watts (6 ohms at 1 kHz, 10% THD)
Inputs
ANALOG IN (phono jacks): voltage 250 mV, impedance 47 kilohms
DIGITAL OPTICAL IN (Supported sampling frequencies: 32 kHz, 44.1 kHz and 48 kHz)
Outputs
PHONES (stereo minijack): accepts headphones of 16 ohms or more.
SPEAKER: accepts impedance of 6 to 16 ohms.

CD player section

System: Compact disc and digital audio system
Laser: Semiconductor laser (λ=780 nm)
Emission duration: continuous
Frequency response: 2 Hz – 20 kHz (±0.5 dB)

continued

Specifications (continued)

MD deck section

System	MiniDisc digital audio system
Laser	Semiconductor laser (λ=780 nm) Emission duration: continuous
Sampling frequency	44.1 kHz
Frequency response	5 Hz – 20 kHz (±0.5 dB)

Tape deck section

Recording system	4-track 2-channel stereo
Frequency response	50 – 13,000 Hz (±3 dB), using Sony TYPE I cassettes
Wow and flutter	±0.15% W. Peak (IEC) 0.1% W. RMS (NAB) ±0.2% W. Peak (DIN)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range	87.5 – 108.0 MHz (50 kHz step)
Aerial	FM lead aerial
Aerial terminals	75 ohms unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range	
European model:	531 – 1,602 kHz (with the interval set at 9 kHz)
Other models:	531 – 1,602 kHz (with the interval set at 9 kHz) 530 – 1,710 kHz (with the interval set at 10 kHz)
Aerial	AM loop aerial External aerial terminals
Intermediate frequency	450 kHz

Speaker (SS-CM100)

Speaker system	2-way, bass-reflex type
Speaker units	
Woofer:	10 cm dia., cone type
Tweeter:	2.5 cm dia., dome type
Nominal impedance	6 ohms

General

Power requirements	
European model:	230 V AC, 50/60 Hz
Other models:	220 – 240 V AC, 50/60 Hz
Power consumption	
European model:	55 watts 0.5 watts (at the Power Saving mode)
Other models:	55 watts

Dimensions (w/h/d) incl. projecting parts and controls

Amplifier/Tuner/Tape/MD/CD section:	Approx. 159 × 216.5 × 330 mm
Speaker:	Approx. 140 × 215 × 260 mm

Mass

Amplifier/Tuner/Tape/MD/CD section:	Approx. 4.9 kg
Speakers:	Approx. 2.3 kg net per speaker
Supplied accessories	Remote (1) R6 (size AA) batteries (2) AM loop aerial (1) FM lead aerial (1)
Optional accessories	Sony PC connection kit (See the catalogue and other promotional materials for the release date.) The optional accessories for this system are subject to change without notice. For details, consult your nearest Sony dealer.

Design and specifications are subject to change without notice.